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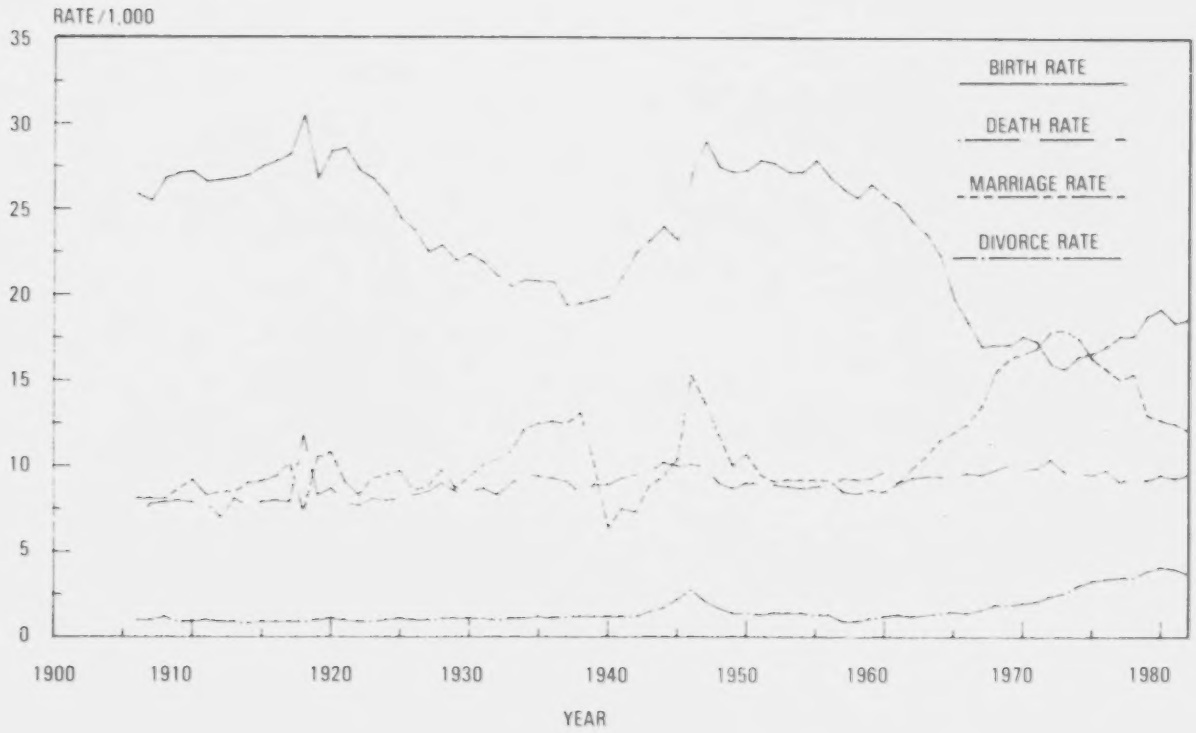
SOUTH DAKOTA

Vital Statistics And Health Status: 1982



SOUTH DAKOTA STATE DEPARTMENT OF HEALTH
CENTER FOR HEALTH STATISTICS
STATE HEALTH PLANNING AND DEVELOPMENT AGENCY

STATE OF SOUTH DAKOTA

South Dakota Vital Statistics
Annual Report, 1982

Department of Health
Lawrence J. Massa
Secretary

State Center for Health Statistics
State Health Planning and Development Agency
Pierre, South Dakota 57501
July 15, 1983

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SOUTH DAKOTA VITAL STATISTICS/HEALTH STATUS
PREFACE

This publication of the 1982 Vital Statistics/Health Status for South Dakota was prepared by the State Health Planning and Development Agency and the State Center for Health Statistics, South Dakota Department of Health.

The population section contains the 1980 figures as enumerated by the U.S. Bureau of the Census. Population estimates for 1982 are not yet available; therefore, all rates reported in this publication are based on 1980 population figures.

The Technical Notes Section provides additional information regarding data delimitations, definitions, geographic allocation, and cause of death coding related to the statistics reported in this publication.

Since it is widely accepted that premature birth is a leading cause of infant mortality, a special effort has been made to identify all infant deaths with an underlying cause of premature births.

POPULATION STATISTICS

POPULATION CHARACTERISTICS AND DISPERSION

Population Dispersion

South Dakota's total population has remained fairly consistent over the last fifty years. In fact, the 1927 estimated population of 682,077 persons was just 8,691 short of the 1980 figure of 690,768. The population of South Dakota is increasing at a lower pace than the rest of the nation. From 1970 to 1980, the United States' population increased 11.45% compared to an increase of 3.8% for South Dakota. Between 1970 and 1980, forty-one counties in South Dakota experienced a decline in population, twenty-five experienced an increase. (See Figure 4, page 11) The counties which increased in population fell into one of three categories: (1) counties geographically located along the western edge of the state known as the Black Hills, 2) urban counties that contain larger population centers, or 3) counties included in one of the State's Indian reservations. The population density of the State increased from 8.8 to 9.1 persons per square mile compared to an increase in the national norm for population density from 57.5 in 1970 to an estimated 64.1 persons per square mile in 1980.

Age Characteristics

The age/sex pyramids on pages 7-9 show at a glance the differences in composition of the white and nonwhite population in 1980. The 1980 census figures indicate that South Dakota's nonwhite population is 7.4% of the total population. Native Americans (primarily Sioux) comprise 6.5% of the population. Other races represent only 0.9% of the State's population.

The differences in age composition of the two races in South Dakota is reflected in their dependency ratios and the index of Aging. The general dependency ratio of the Native American population was 83.8 in 1980 compared with 57.7 for the white population. The young Native American population coupled with the elderly white population yields a general dependency ratio for South Dakota's total population of 59.2 for 1980 which is somewhat higher than the national general dependency ratio of 51.3. (See Table 1, page 6).

In 1970 the general dependency ratio of the Native American population was 97.5 compared to 70.4 for the white population and 71.7 for the total population. The proportion of the productive population relative to the dependent population has increased in the last decade. The primary reason for the substantial change in the population distribution is a marked decrease white population 14 years of age and under.

The index of aging increased from 40.8 in 1970 to 54.9 in 1980 which is significantly higher than the national index of aging of 49.8 for 1980 and is reflective of a population with an increasing proportion of older persons.

The more useful single summary figure of South Dakota's age structure is median age. The median age of South Dakota's population in 1970 was 27.4 years (17.4 non-white, 28.2 white) compared to a median age of 28.8 years in 1980 (18.5 Indian, 29.8 white).

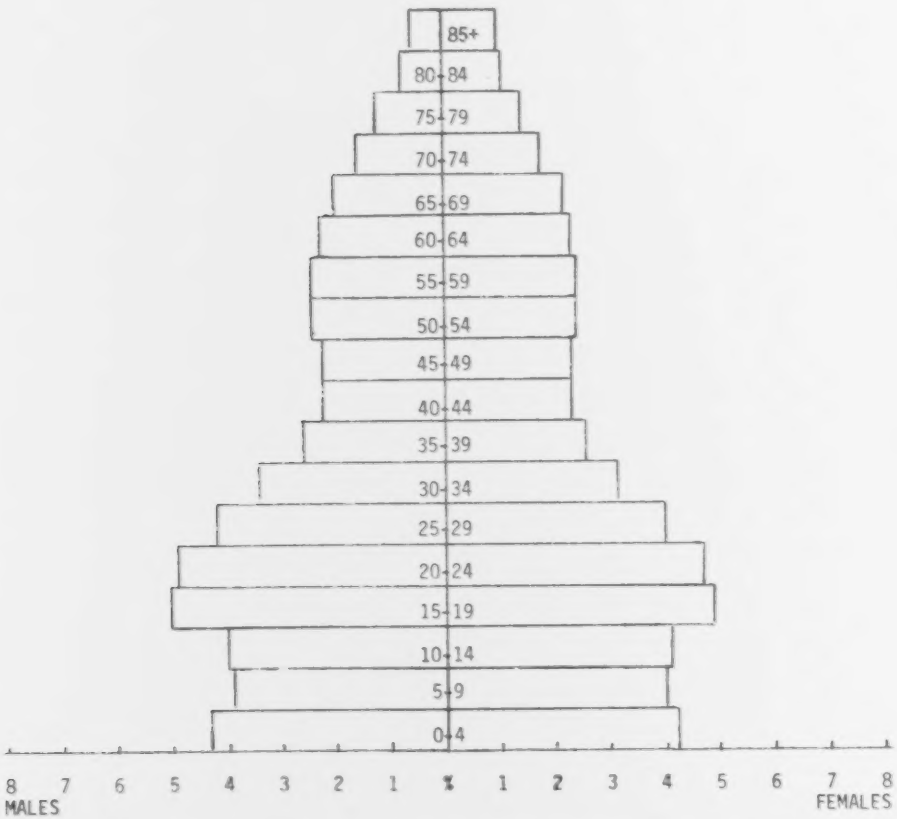
In general, South Dakota's population was older in 1980 than in 1970. The proportion of males to females has remained stable. The Indian population is younger than the white population and was more stable with regard to age distribution of the population over the last decade.

TABLE 1

SOUTH DAKOTA AND U.S. RATIOS
1970-1980

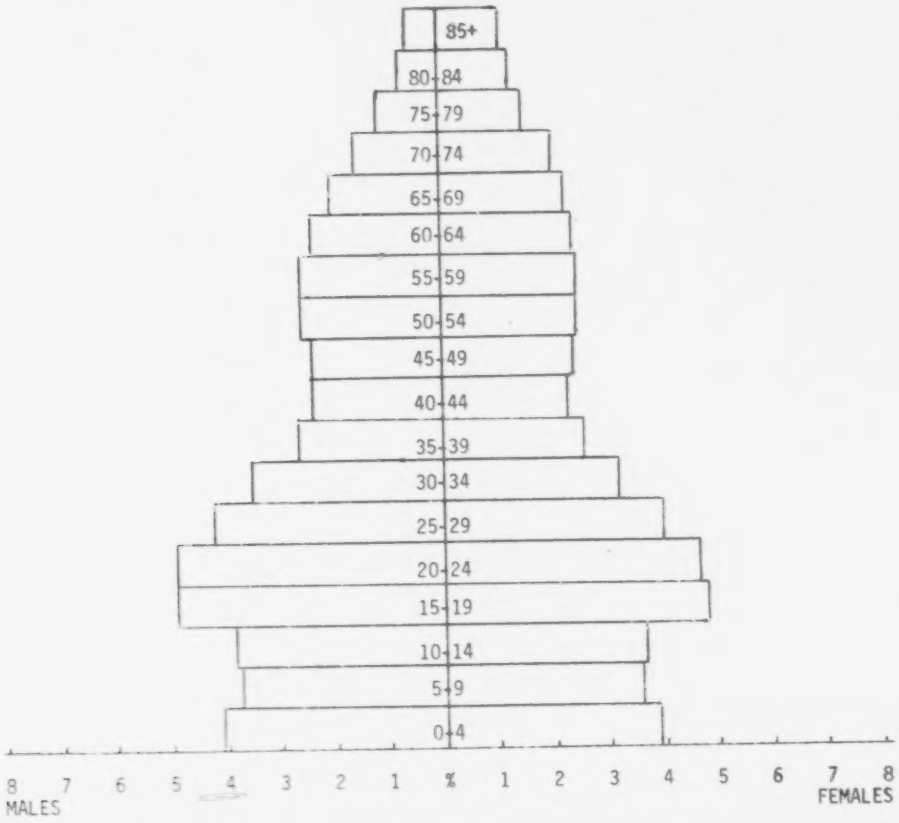
	U.S. TOTAL	SOUTH DAKOTA TOTAL		SOUTH DAKOTA WHITE		SOUTH DAKOTA INDIAN	
	1980	1970	1980	1970	1980	1970	1980
General Dependency Ratio dependent/productive	51.3	71.7	59.2	70.4	57.7	97.5	83.8
Aged Dependency Ratio aged dependent/productive	17.1	20.8	30.0	21.3	21.9	10.1	8.8
Index of Aging old/young	49.8	40.8	54.9	43.3	61.0	11.6	11.7
Sex Ratio Males/Females	95.3	98.4	97.3	98.4	97.2	98.4	95.7

FIGURE 1
POPULATION DISTRIBUTION, SOUTH DAKOTA, 1980



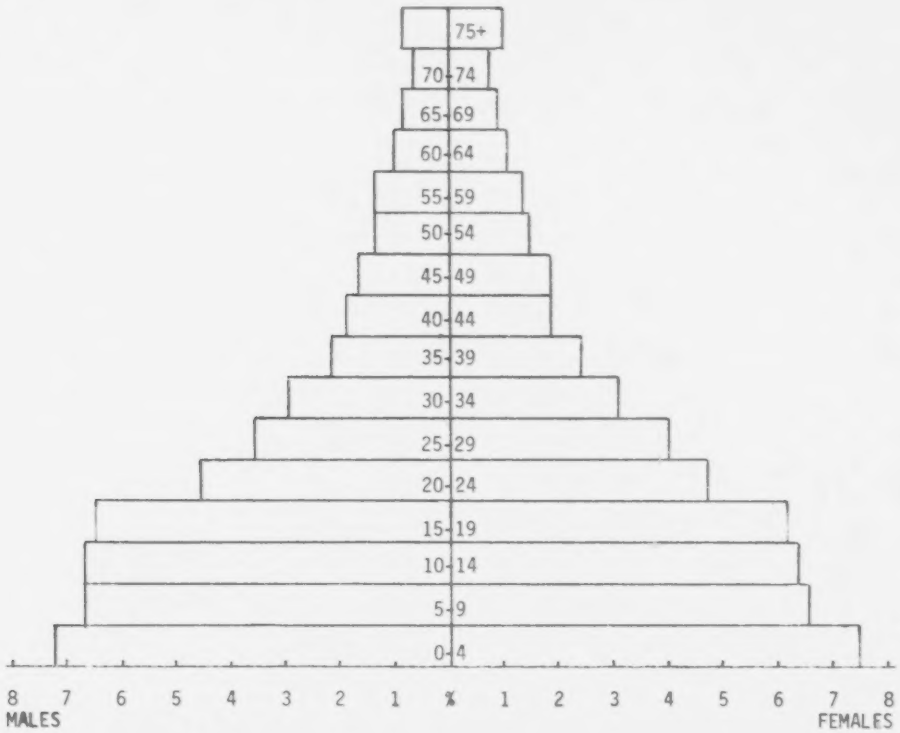
AGE	TOTAL		MALES		FEMALES	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	690,768	100.0	340,683	49.3	350,085	50.7
0- 4	58,446	8.5	29,770	4.3	28,676	4.2
5- 9	52,871	7.7	26,810	3.9	26,061	3.8
10-14	54,400	7.9	27,743	4.0	26,657	3.9
15-19	68,641	9.9	34,616	5.0	34,025	4.9
20-24	66,553	9.6	33,789	4.9	32,764	4.7
25-29	56,868	8.2	29,122	4.2	27,746	4.0
30-34	45,959	6.6	23,739	3.4	22,220	3.2
35-39	35,251	5.1	17,522	2.5	17,729	2.6
40-44	31,181	4.5	15,263	2.2	15,918	2.3
45-49	31,399	4.5	15,295	2.2	16,104	2.3
50-54	33,569	4.8	16,693	2.4	16,876	2.4
55-59	33,567	4.8	16,782	2.4	16,785	2.4
60-64	31,044	4.5	15,074	2.2	15,970	2.3
65-69	27,640	4.0	12,900	1.9	14,740	2.1
70-74	22,875	3.3	10,138	1.5	12,737	1.8
75-79	17,699	2.6	7,288	1.1	10,411	1.5
80-84	12,378	1.8	4,708	.7	7,670	1.1
85+	10,427	1.5	3,431	.5	6,996	1.0

FIGURE 2
WHITE POPULATION DISTRIBUTION, SOUTH DAKOTA, 1980



AGE	TOTAL		MALES		FEMALES	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	639,669	100.0	315,343	49.3	324,326	50.7
0- 4	51,002	8.0	26,094	4.1	24,908	3.9
5- 9	46,278	7.3	23,510	3.7	22,768	3.6
10-14	48,116	7.5	24,552	3.8	23,564	3.7
15-19	62,326	9.7	31,349	4.9	30,977	4.8
20-24	61,418	9.6	31,117	4.9	30,301	4.7
25-29	52,685	8.2	27,046	4.2	25,639	4.0
30-34	42,786	6.7	22,191	3.5	20,595	3.2
35-39	32,951	5.2	16,436	2.6	16,515	2.6
40-44	29,275	4.6	14,345	2.3	14,930	2.3
45-49	29,650	4.7	14,495	2.3	15,155	2.4
50-54	32,145	5.0	16,037	2.5	16,108	2.5
55-59	32,285	5.0	16,158	2.5	16,127	2.5
60-64	30,016	4.7	14,580	2.3	15,436	2.4
65-69	26,806	4.2	12,508	2.0	14,298	2.2
70-74	22,280	3.4	9,872	1.5	12,408	1.9
75-79	17,267	2.7	7,092	1.1	10,175	1.6
80-84	12,142	1.9	4,612	.7	7,530	1.2
85+	10,241	1.6	3,349	.5	6,892	1.1

FIGURE 3
INDIAN POPULATION DISTRIBUTION, SOUTH DAKOTA, 1980



AGE	TOTAL		MALES		FEMALES	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	44,948	100.0	21,980	49.0	22,968	51.0
0- 4	6,605	14.7	3,240	7.2	3,365	7.5
5- 9	5,933	13.2	2,971	6.6	2,962	6.6
10-14	5,814	13.0	2,956	6.6	2,858	6.4
15-19	5,649	12.6	2,880	6.4	2,769	6.2
20-24	4,156	9.2	2,039	4.5	2,117	4.7
25-29	3,374	7.5	1,592	3.5	1,782	4.0
30-34	2,659	6.0	1,288	2.9	1,371	3.1
35-39	1,983	4.5	922	2.1	1,061	2.4
40-44	1,679	3.7	809	1.8	870	1.9
45-49	1,557	3.5	715	1.6	842	1.9
50-54	1,272	2.8	585	1.3	687	1.5
55-59	1,179	2.7	563	1.3	616	1.4
60-64	948	2.1	450	1.0	498	1.1
65-69	787	1.7	372	.8	415	.9
70-74	554	1.2	249	.6	305	.7
75+	799	1.8	349	.8	450	1.0

TABLE 2

SOUTH DAKOTA POPULATION BY RACE BY COUNTY
1970-1980

	TOTAL		PERCENT	WHITE		INDIAN		BLACK		OTHER	
	1980	1970	CHANGE	1980	1970	1980	1970	1980	1970	1980	1970
SOUTH DAKOTA	690,768	666,257	+ 3.8	639,669	630,333	44,948	32,365	2,144	1,627	4,007	1,182
AURORA	3,628	4,183	-13.3	3,597	4,122	22	58	1	1	8	2
BEADLE	19,195	20,877	- 8.1	18,968	20,761	100	70	50	38	77	8
BENNETT	3,044	3,088	- 1.4	1,858	2,187	1,174	897	-	-	12	4
BON HOMME	8,059	8,577	- 6.0	7,878	8,538	134	25	18	-	29	14
BROOKINGS	24,332	22,158	+ 9.8	23,990	22,017	79	39	59	3	204	99
BROWN	36,962	36,920	+ 0.1	35,946	36,532	824	319	23	11	169	58
BRULE	5,245	5,870	-10.6	5,119	5,794	113	74	4	1	9	1
BUFFALO	1,795	1,739	+ 3.2	523	686	1,270	1,050	-	1	2	2
BUTTE	8,372	7,825	+ 7.0	8,160	7,736	88	61	1	6	123	22
CAMPBELL	2,243	2,866	-21.7	2,237	2,863	1	3	-	-	5	-
CHARLES MIX	9,680	9,994	- 3.1	7,974	9,063	1,692	926	1	-	13	5
CLARK	4,894	5,515	-11.3	4,872	5,494	11	15	1	-	10	6
CLAY	13,689	12,923	+ 5.9	13,214	12,759	344	93	23	16	108	55
CODINGTON	20,885	19,140	+ 9.1	20,631	19,055	180	73	10	2	64	10
CORSON	5,196	4,994	+ 4.0	2,726	3,506	2,459	1,476	-	4	11	8
CUSTER	6,000	4,698	+27.7	5,804	4,573	163	117	4	3	29	5
DAVISON	17,820	17,319	+ 2.9	17,602	17,177	125	94	22	23	71	25
DAY	8,133	8,713	- 6.7	7,669	8,413	455	292	1	2	8	6
DEUEL	5,289	5,686	- 7.0	5,261	5,673	5	10	8	1	15	2
DEWEY	5,366	5,170	+ 3.8	2,227	2,683	3,107	2,457	4	16	28	14
DOUGLAS	4,181	4,569	- 8.5	4,166	4,563	13	5	-	-	2	1
EDMUNDS	5,159	5,548	- 7.0	5,142	5,547	6	1	1	-	10	-
FALL RIVER	8,439	7,505	+12.4	7,912	7,157	432	325	14	10	81	13
FAULK	3,327	3,893	-14.5	3,314	3,881	11	8	-	-	2	4
GRANT	9,013	9,005	+0.09	8,937	8,988	33	17	11	-	32	-
GREGORY	6,015	6,710	-10.4	5,768	6,383	236	318	-	3	11	6
HAAKON	2,794	2,802	- 0.3	2,753	2,743	31	51	1	-	9	8
HAMLIN	5,261	5,520	+ 1.7	5,228	5,157	26	5	2	-	5	10
HAND	4,948	5,883	-15.9	4,933	5,874	1	6	2	1	12	2
HANSON	3,415	3,781	- 9.7	3,397	3,780	11	1	-	-	7	-
HARDING	1,700	1,855	- 8.4	1,678	1,840	17	10	-	2	5	3
HUGHES	14,220	11,632	+22.2	13,243	11,012	889	575	11	14	77	31
HUTCHINSON	9,350	10,379	- 9.9	9,299	10,362	22	6	7	4	22	7
HYDE	2,069	2,515	-17.7	1,975	2,469	89	45	1	-	4	1
JACKSON	3,437	1,531	+17.7	1,935	1,445	1,491	86	2	-	9	-
JERAULD	2,929	3,310	-11.5	2,925	3,306	2	4	-	-	2	-
JONES	1,463	1,882	-22.3	1,451	1,839	9	40	-	-	3	3
KINGSBURY	6,679	7,657	-12.8	6,654	7,648	3	5	3	-	19	4
LAKE	10,724	11,456	- 6.4	10,646	11,431	35	11	5	3	38	11
LAWRENCE	18,339	17,453	+ 5.1	17,885	17,079	329	249	27	90	98	35
LINCOLN	13,942	11,761	+18.5	13,854	11,725	41	27	2	3	45	6
LYMAN	3,864	4,060	- 4.8	2,958	3,469	903	588	1	1	2	2
MCCOOK	6,444	7,246	-11.1	6,428	7,228	2	17	4	-	10	1
MCPHERSON	4,027	5,022	-19.8	4,020	5,014	-	8	-	-	7	-
MARSHALL	5,404	5,965	- 9.4	5,115	5,824	287	138	-	-	2	3
MEADE	20,717	17,020	+24.7	19,570	15,788	284	145	528	605	335	80
MELLETTE	2,249	2,420	- 7.1	1,364	1,591	872	822	-	1	13	6
MINER	3,739	4,454	-16.1	3,732	4,446	7	6	-	-	-	2
MINNEHAHA	109,435	95,209	+14.9	107,308	94,320	1,115	591	276	178	736	120
MOODY	6,692	7,622	-12.2	6,334	6,950	336	666	4	3	18	3
PENNINGTON	70,361	59,349	+18.6	64,791	56,045	3,637	2,471	901	477	1,032	356
PERKINS	4,700	4,769	- 1.4	4,645	4,738	44	28	-	-	11	3
POTTER	3,674	4,449	-17.4	3,651	4,422	21	24	-	1	2	2
ROBERTS	10,911	11,678	- 6.6	8,770	10,092	2,119	1,567	2	5	20	14
SANBORN	3,213	3,697	-13.1	3,198	3,693	1	1	1	-	13	3
SHANNON	11,323	8,198	+38.1	717	1,107	10,574	7,065	4	8	28	18
SPINK	9,201	10,595	-13.2	9,105	10,512	78	82	-	1	18	-
STANLEY	2,533	2,457	+ 3.1	2,434	2,314	95	142	-	1	4	-
SULLY	1,990	2,362	-15.7	1,970	2,341	15	19	1	2	4	-
TODD	7,328	6,606	+10.9	1,588	1,995	5,688	4,600	10	-	42	11
TRIPP	7,268	8,171	-11.1	6,687	7,668	569	501	1	1	11	1
TURNER	9,255	9,872	+ 6.3	9,218	9,842	31	25	-	3	6	2
UNION	10,938	9,643	+13.4	10,803	9,594	57	30	13	10	65	9
WALWORTH	7,011	7,842	-10.6	6,581	7,371	411	467	1	-	18	4
WASHABAUGH	-	1,389	-	-	611	-	772	-	-	-	6
YANKTON	18,952	19,039	- 0.5	18,371	18,417	387	507	78	70	116	45
ZIEBACH	2,308	2,221	+ 3.9	960	1,080	1,342	1,139	-	2	6	-

Washabaugh & Jackson Counties were combined in 1979. The 1980 Census records only Jackson County.

1970 Race Totals have not been adjusted to reflect changes made in Hamlin and Meade Counties.

FIGURE 4
PERCENT CHANGE IN POPULATION BY COUNTY
From 1970-1980

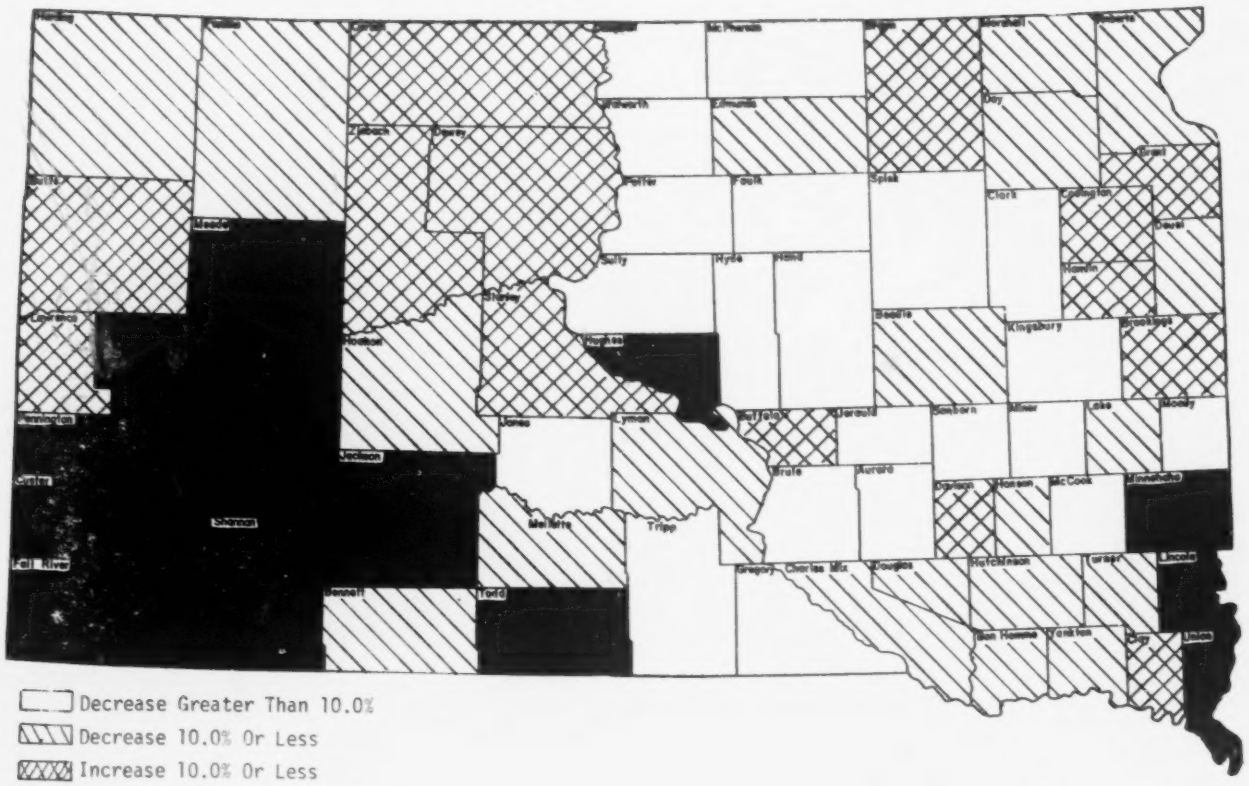


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TABLE 3

VITAL STATISTICS SOUTH DAKOTA
1906-1982

Year	Births		Deaths		Marriages		Divorces		Fetal Deaths		Infant Deaths		Population
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
1982	12,839	18.6	6,588	9.5	8,353	12.1	2,564	3.7	82	6.4	131	10.2	*
1981	12,725	18.4	6,434	9.3	8,662	12.5	2,772	4.0	72	5.6	143	11.2	*
1980	13,256	19.2	6,539	9.5	8,800	12.7	2,811	4.1	92	6.9	145	10.9	690,768
1979	12,973	18.8	6,329	9.2	8,978	13.0	2,665	3.9	89	6.8	146	11.3	688,838
1978	12,203	17.6	6,480	9.4	10,638	15.4	2,449	3.5	97	7.9	163	13.4	690,213
1977	12,069	17.6	6,281	9.1	10,359	15.1	2,436	3.5	107	8.8	195	16.2	687,590
1976	11,655	17.0	6,727	9.8	10,781	15.7	2,352	3.4	99	8.4	199	17.1	685,563
1975	11,294	16.6	6,470	9.5	11,074	16.3	2,232	3.3	121	10.6	178	15.8	680,811
1974	11,175	16.4	6,577	9.7	11,928	17.5	2,015	3.0	111	9.8	219	19.6	681,386
1973	10,706	15.7	6,626	9.7	12,291	18.0	1,802	2.6	103	9.5	196	18.3	681,899
1972	10,855	16.0	7,038	10.4	12,151	17.9	1,632	2.4	138	12.6	225	20.7	680,000
1971	11,634	17.3	6,704	9.9	11,363	16.9	1,408	2.1	139	11.8	216	19.6	674,000
1970	11,717	17.6	6,547	9.8	11,034	16.6	1,357	2.0	144	12.1	228	19.5	666,257
1969	11,441	17.1	6,747	10.1	10,909	16.3	1,255	1.9	121	10.5	226	19.8	668,000
1968	11,408	17.1	6,532	9.8	10,347	15.5	1,243	1.9	145	12.6	233	20.4	669,000
1967	11,424	17.0	6,349	9.5	9,051	13.5	1,090	1.6	161	13.9	252	22.1	671,000
1966	12,534	18.4	6,576	9.6	8,517	12.5	949	1.4	165	13.0	309	24.6	683,000
1965	13,692	19.8	6,520	9.4	8,317	12.0	1,015	1.5	191	13.8	315	23.1	692,000
1964	15,627	22.3	6,599	9.4	8,055	11.5	951	1.4	188	11.9	350	22.4	701,000
1963	16,711	23.6	6,654	9.4	7,470	10.6	953	1.3	222	13.3	414	24.8	708,000
1962	17,158	24.3	6,577	9.3	6,954	9.9	871	1.2	234	13.5	434	25.3	705,000
1961	17,551	25.3	6,234	9.0	6,213	9.0	881	1.3	235	13.4	409	23.3	693,000
1960	17,594	25.8	6,616	9.7	5,789	8.5	806	1.2	223	12.5	494	28.1	683,000
1959	17,956	26.5	6,287	9.3	5,861	8.6	763	1.1	264	14.5	413	23.0	678,000
1958	17,364	25.7	6,223	9.2	5,702	8.4	641	0.9	277	15.7	455	26.2	675,000
1957	17,617	26.2	6,250	9.3	5,727	8.5	624	0.9	275	15.4	456	25.9	672,000
1956	18,021	26.9	5,953	8.9	6,128	9.2	850	1.3	277	15.1	415	23.0	669,000
1955	18,566	27.9	5,873	8.8	6,122	9.2	868	1.3	270	14.3	484	26.1	666,600
1954	18,083	27.2	5,746	8.7	6,104	9.2	959	1.4	312	17.0	466	25.8	663,800
1953	17,951	27.2	5,813	8.8	6,065	9.2	932	1.4	276	15.1	448	25.0	661,100
1952	18,256	27.7	5,844	8.9	5,964	9.1	935	1.4	225	12.2	511	28.0	658,300
1951	18,270	27.9	5,922	9.0	6,222	9.5	868	1.3	257	13.9	458	25.1	655,500
1950	17,852	27.3	5,889	9.0	6,969	10.7	924	1.4	282	15.6	470	26.3	652,740
1940	12,773	19.9	5,712	8.9	4,138	6.4	793	1.2	-	-	506	39.6	642,961
1930	15,504	22.4	5,879	8.5	6,489	9.4	734	1.1	-	-	865	55.8	693,332
1920	18,148	28.4	5,542	8.7	6,881	10.8	687	1.1	-	-	-	-	640,003
1910	16,081	27.2	6,461	7.9	5,407	9.2	511	0.9	-	-	-	-	590,499
1906	13,233	25.9	3,644	7.1	4,141	8.1	508	1.0	-	-	-	-	510,596

Rates are based on the estimated mid-year population.

The 1982 rates are calculated using 1980 census data. This will result in some loss of comparability.

Birth, Death, Marriage and Divorce rates are per 1,000 population

Fetal Death and Infant Death rates are per 1,000 Live Births

The Elderly

The 1970 U.S. Census showed South Dakota had 80,484 people 65+ years of age comprising 12% of the state's population. By 1980 the number of persons 65+ in the state had increased to 91,019 or 13.0% of the state's population. In 1970, Turner county had the largest percentage of population 65+ and Fall River was the only county in the state to have over 9% of the population 75+. By 1980, eight counties had over 9% of the population aged 75+. All of these counties are located in the eastern part of the State. Between 1970 and 1980, the proportion of the state's 65+ population increased 13.1%. (See Figures 6 and 7, pages 15 and 16).

The distribution of the elderly population according to race and sex has shifted significantly between 1960 and 1980 for only one group - white females over 75 years of age. Although white females for all age groups over 60 years of age increased as a percentage of the total population, white females over 75 comprised 3.8% of the population in 1980 compared to 1.9 in 1960. (See Figure 5, page 14 and Table A:1 Appendix).

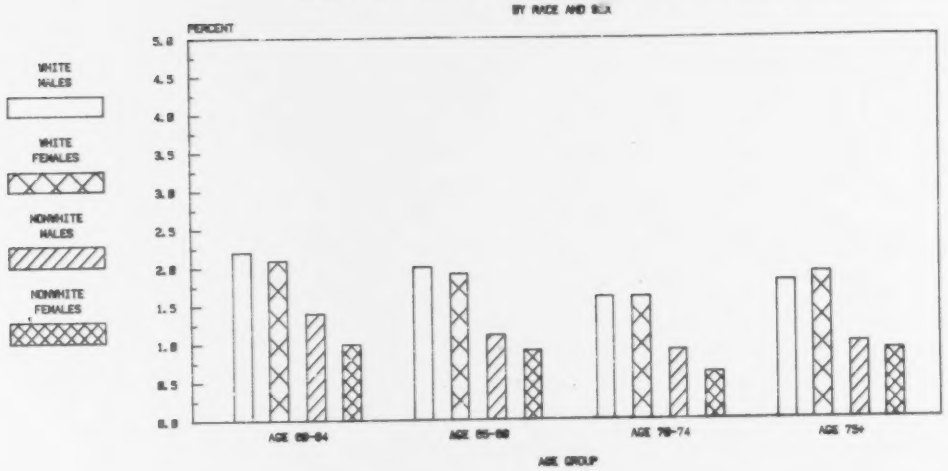
With the exception of motor vehicle accidents, mortality rates for persons 65 years of age and over generally parallels that of the population ages 15 through 64. The three leading causes of death for age group 65+ (in rank order) for 1982 were heart disease (52.2) percent, malignant neoplasms (20.1 percent) and cerebrovascular disease (11.6 percent). (See Figure 14, page 64).

In 1960, the three leading causes of death for age group 65+ were heart disease (43.4 percent) cerebrovascular disease (17.7 percent) and malignant neoplasms (14.5 percent).

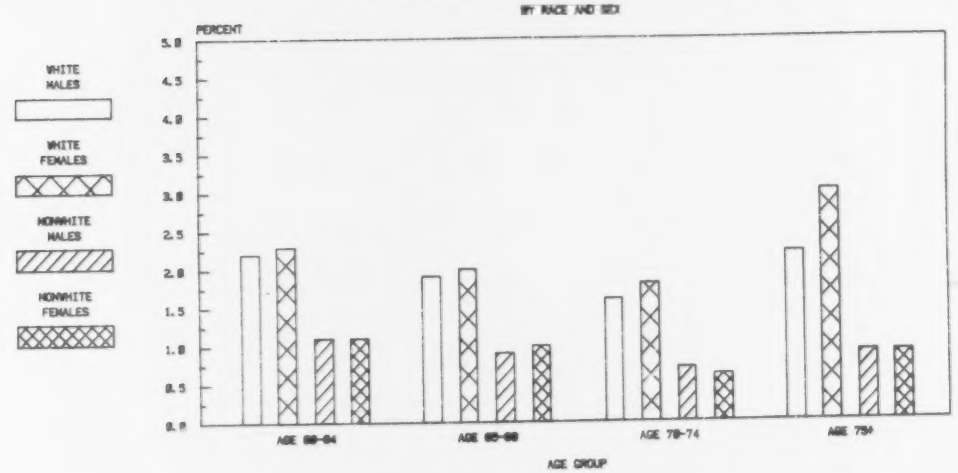
Between 1970 and 1980 the pattern of the percentage of persons in age groups 65-74 and 75+ dying from one of the ten leading causes of death did not vary to a significant extent with the exception of diabetes and cerebrovascular disease. The percentage of persons dying from diabetes mellitus and cerebrovascular disease decreased substantially during this time period. For the 65 and over age groups death rates for these two diseases have been steadily declining since 1950. (See Appendix, Figure A:1).

FIGURE 5

SOUTH DAKOTA'S ELDERLY POPULATION, 1960



SOUTH DAKOTA'S ELDERLY POPULATION, 1970



SOUTH DAKOTA'S ELDERLY POPULATION, 1980

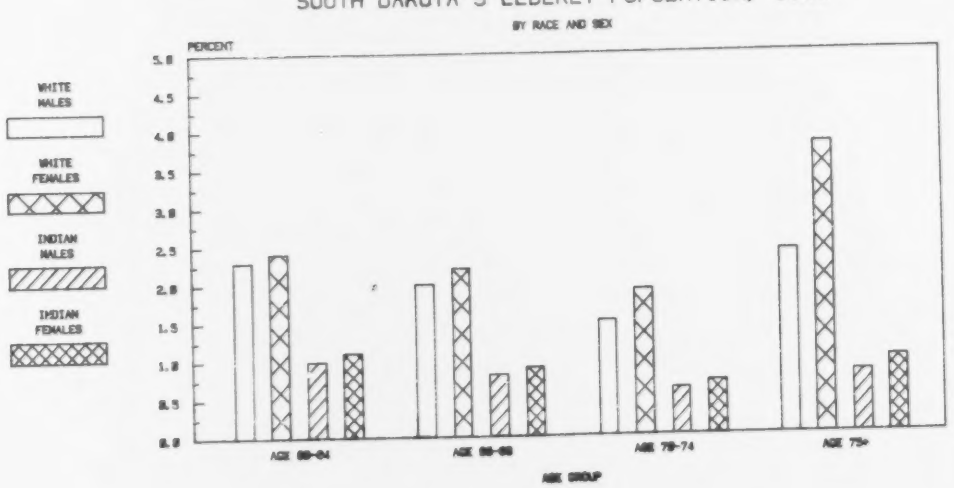
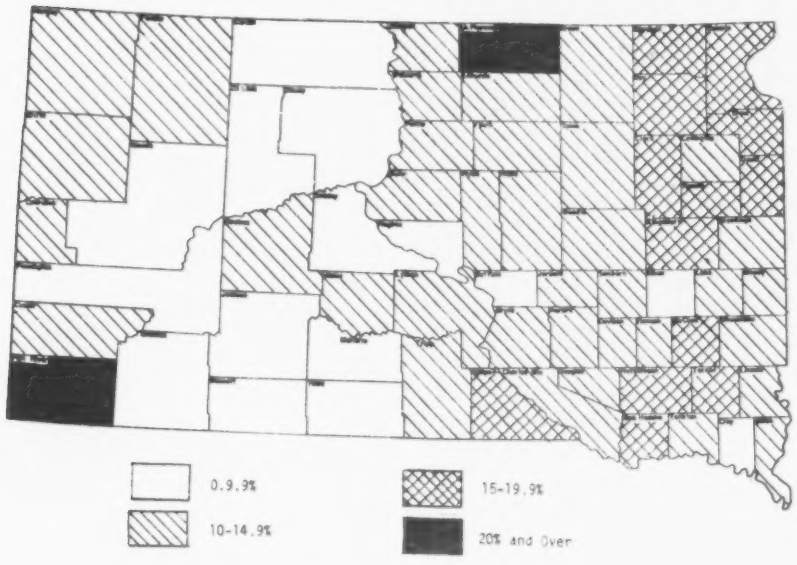


FIGURE 6
PROPORTION AND LOCATION OF ELDERLY POPULATION, SOUTH DAKOTA, 1970

PROPORTION OF POPULATION 65 YEARS OF AGE AND OLDER



PROPORTION OF POPULATION OVER 75 YEARS OF AGE

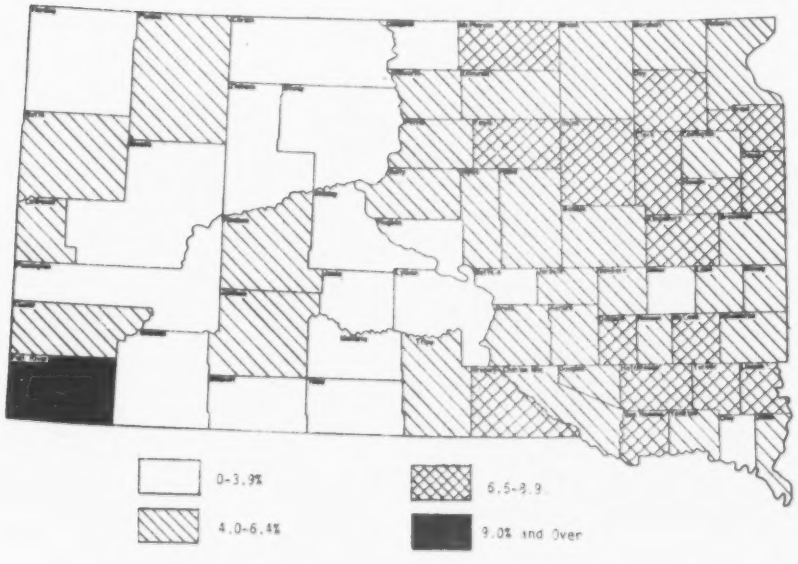


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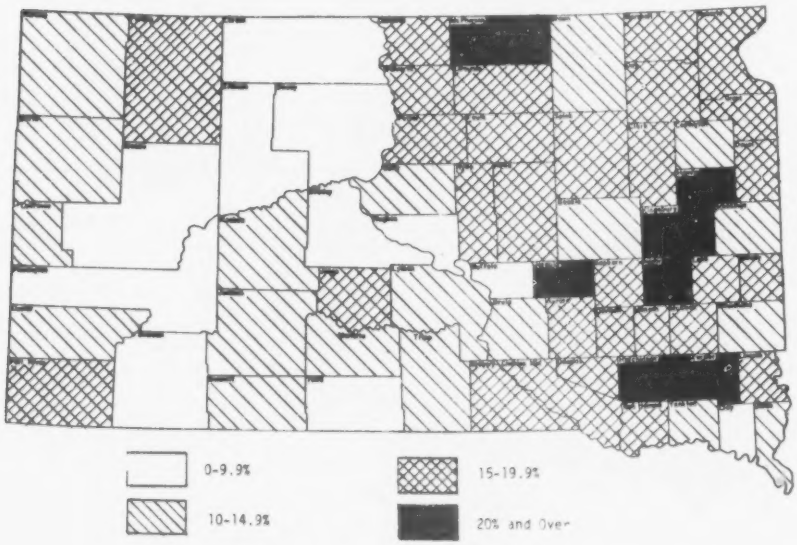
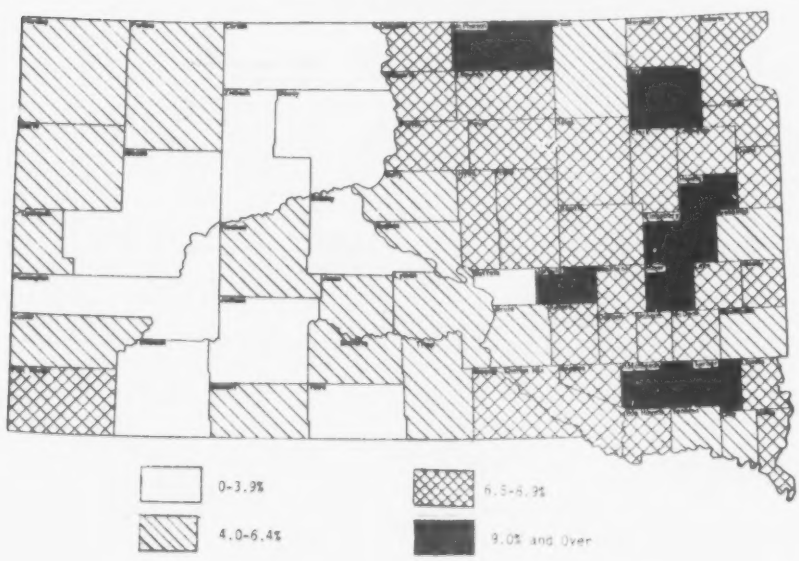
FIGURE 7
PROPORTION AND LOCATION OF ELDERLY POPULATION, SOUTH DAKOTA, 1980

PROPORTION OF POPULATION 65 YEARS OF AGE AND OLDER



PROPORTION OF POPULATION OVER 75 YEARS OF AGE



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Adolescents

The adolescent population, aged 15 to 19 years, has decreased. In 1970, 12.0% of the State's population was adolescent, but in 1980 only 9.9% was adolescent. In 1982, 12% of all the South Dakota resident births occurred to teenagers and 46% of those teenage births were out-of-wedlock. Of all the induced abortions obtained by South Dakotans in 1982, 31% were obtained by adolescents.

Less than 1% (.9%) of all South Dakota deaths occur among the 15-19 year old population. However, the leading causes of deaths among this age group are deaths due to motor vehicle accidents, suicides and homicides. These three causes represent more than half (54%) of all teenage deaths. The table below identifies the single leading cause of death among 15-19 year olds in 1982.

FIVE LEADING CAUSES OF ADOLESCENT DEATHS
(15-19 year olds), 1982

CAUSE	NUMBER	PERCENT
Motor Vehicle Accidents	16	28.1%
Suicide	9	15.8%
Homicide	6	10.5%
Malignant Neoplasms	3	5.3%
Diseases of Nervous System	3	5.3%

Suicide is the second leading casue of death in this age group - 9.5% of all suicides in 1982 were committed by adolescents. The percent of adolescent suicides has more than doubled between 1960 and 1982. Figure 8 shows the increase in the percent of suicides attributed to adolescents and young adults (20-24 years) since 1960.

FIGURE 8
SOUTH DAKOTA RESIDENT SUICIDES
By Specific Age Group, 1960-1982

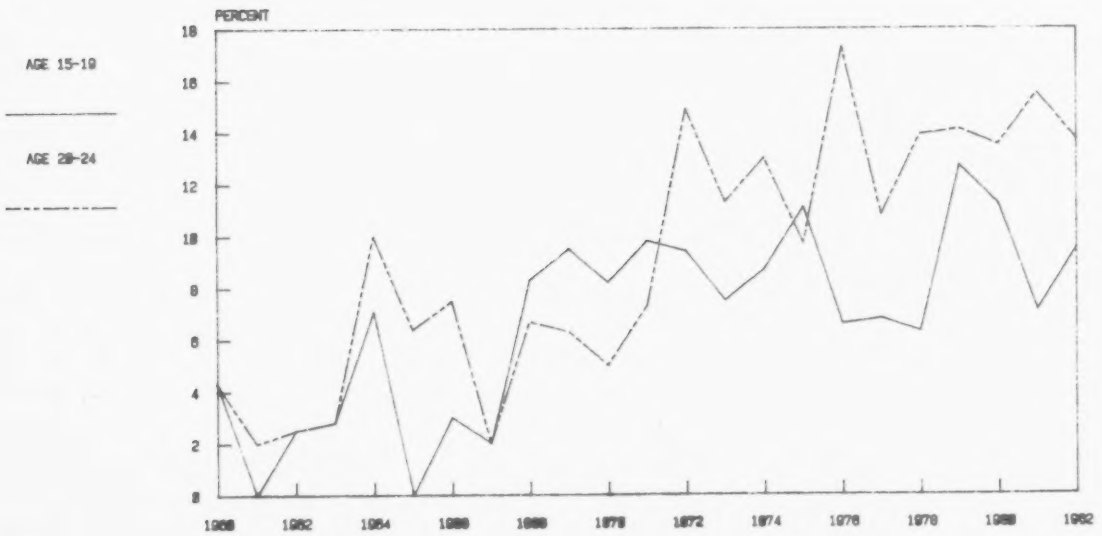


TABLE 4

VITAL STATISTICS SUMMARY BY COUNTY
SOUTH DAKOTA, 1982
(BIRTH, DEATH, ABORTION AND FETAL DEATHS BY COUNTY OF RESIDENCE, MARRIAGE AND DIVORCE BY COUNTY OF OCCURRENCE)

	LIVE BIRTHS		DEATHS		MARRIAGES		DIVORCES		FETAL DEATHS		ABORTIONS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
SOUTH DAKOTA	12839	18.6	6588	9.5	8353	12.1	2564	3.7	82	6.4	1199	93.4
AURORA	49	13.5	31	8.5	31	8.5	2	0.6	-	-	5	102.0
BEADLE	288	15.0	208	10.8	181	9.4	93	4.8	3	10.4	22	76.4
BENNETT	77	25.3	25	8.2	56	18.4	9	3.0	2	26.0	6	77.9
BON HOMME	112	13.9	97	12.0	61	7.6	13	1.6	-	-	2	17.9
BROOKINGS	378	15.5	165	6.8	218	9.0	71	2.9	3	7.9	56	148.1
BROWN	701	19.0	301	8.1	411	11.1	159	4.3	10	14.3	22	31.4
BRULE	113	21.5	55	10.5	45	8.6	16	3.1	1	8.8	7	61.9
BUFFALO	54	30.1	13	7.2	5	2.8	37	20.6	2	37.0	1	18.5
BUTTE	115	13.7	101	12.1	115	13.7	-	-	1	8.7	21	182.6
CAMPBELL	32	14.3	25	11.1	22	9.8	2	0.9	-	-	1	31.3
CHARLES MIX	204	21.1	128	13.2	79	8.2	24	2.5	-	-	8	39.2
CLARK	89	18.2	60	12.3	37	7.6	11	2.2	-	-	-	-
CLAY	204	14.9	100	7.3	145	10.6	34	2.5	1	4.9	33	161.8
CODINGTON	450	21.5	210	10.1	520	24.9	86	4.1	3	6.7	16	35.6
CORSON	135	26.0	63	12.1	40	7.7	8	1.5	-	-	4	29.6
CUSTER	95	15.8	59	9.8	100	16.7	22	3.7	-	-	21	221.1
DAVISON	300	16.8	180	10.1	240	13.5	68	3.8	1	3.3	43	143.3
DAY	135	17.0	108	13.3	111	13.6	16	2.0	-	-	2	14.8
DEUEL	80	15.1	64	12.1	38	7.2	13	2.5	1	12.5	-	-
DEWEY	167	31.1	44	8.2	36	6.7	12	2.2	1	6.0	10	59.9
DOUGLAS	64	15.3	41	9.8	42	10.0	3	0.7	2	31.3	-	-
EDMUNDS	87	16.9	59	11.4	39	7.6	11	2.1	1	11.5	1	11.5
FALL RIVER	141	16.7	134	15.9	117	13.9	55	6.5	-	-	11	78.0
FAULK	59	17.7	49	14.7	24	7.2	2	0.6	-	-	1	16.9
GRANT	162	18.0	96	10.7	168	18.6	19	2.1	1	6.2	-	-
GREGORY	91	15.1	73	12.1	67	11.1	9	1.5	1	11.0	8	87.9
HAAKON	69	24.7	22	7.9	19	6.8	7	2.5	-	-	6	87.0
HAMLIN	91	17.3	87	16.5	37	7.0	7	1.3	1	11.0	4	44.0
HAND	75	15.2	48	9.7	40	8.1	10	2.0	-	-	2	26.7
HANSON	50	14.6	25	7.3	16	4.7	-	-	-	-	-	-
HARDING	43	25.3	13	7.6	17	10.0	6	3.5	1	23.3	4	93.0
HUGHES	268	18.8	111	7.8	226	15.9	83	5.8	1	3.7	36	134.3
HUTCHINSON	130	13.9	116	12.4	82	8.8	12	1.3	1	7.7	1	7.7
HYDE	26	12.6	19	9.2	20	9.7	4	1.9	-	-	1	38.5
JACKSON	69	20.1	25	7.3	13	3.8	9	2.6	-	-	8	115.9
JERAULD	39	13.3	40	13.7	22	7.5	3	1.0	-	-	-	-
JONES	23	15.7	13	8.9	10	6.8	3	2.1	-	-	2	87.0
KINGSBURY	94	14.1	121	18.1	66	9.9	17	2.5	1	10.6	1	10.6
LAKE	196	18.3	109	10.2	91	8.5	19	1.8	-	-	11	56.1
LAWRENCE	313	17.1	173	9.4	258	14.1	112	6.1	2	6.4	84	268.4
LINCOLN	244	17.5	144	10.3	106	7.6	28	2.0	-	-	16	65.6
LYMAN	89	23.0	40	10.4	10	2.6	7	1.8	-	-	5	56.2
McCOOK	107	16.6	95	14.7	52	8.1	9	1.4	2	18.7	2	18.7
McPHERSON	56	13.9	56	13.9	27	6.7	8	2.0	-	-	2	35.7
MARSHALL	93	17.2	75	13.9	40	7.4	10	1.9	-	-	-	-
MEADE	403	19.5	115	5.6	172	8.3	76	3.7	4	9.9	44	109.2
MELLETTE	57	25.3	29	12.9	16	7.1	2	0.9	-	-	3	52.6
MINER	59	15.8	42	11.2	28	7.5	8	2.1	1	16.9	-	-
MINNEHAHA	1918	17.5	849	7.8	1392	12.7	538	4.9	12	6.3	199	103.8
MOODY	143	21.4	79	11.8	60	9.0	9	1.3	1	7.0	5	35.0
PENNINGTON	1587	22.6	549	7.8	1184	16.8	500	7.1	7	4.4	315	198.5
PERKINS	72	15.3	30	6.4	45	9.6	9	1.9	-	-	8	111.1
POTTER	63	17.1	41	11.2	39	10.6	6	1.6	-	-	3	47.6
ROBERTS	326	20.7	130	11.9	270	24.7	22	2.0	-	-	-	-
SANBORN	61	19.0	37	11.5	20	6.2	5	1.6	1	16.4	-	-
SHANNON	361	31.9	94	8.3	11	1.0	2	0.2	4	11.1	7	19.4
SPINK	165	17.9	95	10.3	72	7.8	18	2.0	2	12.1	8	48.5
STANLEY	34	13.4	11	4.3	22	8.7	13	5.1	-	-	8	235.3
SULLY	31	15.6	19	9.5	8	4.0	4	2.0	-	-	3	96.8
TODD	249	34.0	68	9.3	11	1.5	17	2.3	1	4.0	23	92.4
TRIPP	141	19.4	74	10.2	74	10.2	25	3.4	3	21.3	7	49.6
TURNER	134	14.5	138	14.9	78	8.4	19	2.1	1	7.5	4	29.9
UNION	162	14.8	109	10.0	403	36.8	39	3.6	-	-	3	18.5
WALWORTH	105	15.0	80	11.4	83	11.8	20	2.9	-	-	10	95.2
YANKTON	350	18.5	164	8.7	260	13.7	80	4.2	2	5.7	16	45.7
ZIEBACH	61	26.4	14	6.1	5	2.2	3	1.3	-	-	5	82.0
UNKNOWN COUNTY	-	-	-	-	-	-	-	-	-	-	42	-

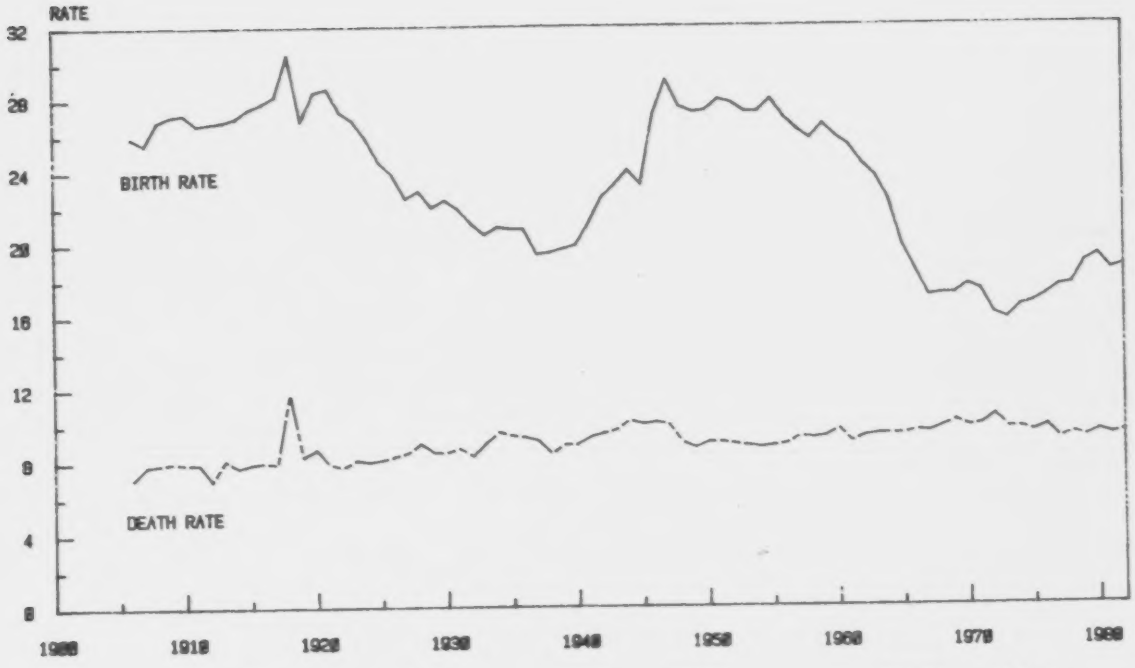
Fetal death and abortion rates are per 1,000 live births. Abortion data is only for abortions which occur in South Dakota.
Fetal death data is for fetuses of 20 or more weeks of gestation.

Crude Birth and Death Rates

From 1950 to 1974, the birth rate in South Dakota declined with only minor fluctuations to 16.6 respectively. Since that time, the trend has reversed and the birth rate has slowly increased reaching a rate of 19.2 in 1980. The increase did not follow national trends as the United States birth rate declined throughout the decade. (See Figure 9, page 20).

Although the crude death rate in South Dakota has fluctuated through the years, a slight upward trend is evident from examining the rates. This slight increase reflects in part the changing character of the age distribution of the State's population.

FIGURE 9
SOUTH DAKOTA CRUDE BIRTH AND DEATH RATES 1906-1982



YEAR	BIRTH RATE	DEATH RATE	YEAR	BIRTH RATE	DEATH RATE	YEAR	BIRTH RATE	DEATH RATE
1982	18.6	9.3	1956	26.9	8.9	1930	22.4	8.5
1981	18.4	9.3	1955	27.9	8.8	1931	21.9	8.7
1980	19.2	9.5	1954	27.2	8.7	1929	22.0	8.5
1979	18.8	9.2	1953	27.2	8.8	1928	22.9	9.0
1978	17.6	9.4	1952	27.7	8.9	1927	22.5	8.5
1977	17.5	9.1	1951	27.9	9.0	1926	23.8	8.3
1976	17.0	9.8	1950	27.3	9.0	1925	24.5	8.1
1975	16.6	9.5	1949	27.2	8.7	1924	25.8	8.0
1974	16.4	9.7	1948	27.5	9.0	1923	26.8	8.1
1973	15.7	9.7	1947	29.0	10.0	1922	27.3	7.7
1972	16.0	10.4	1946	27.1	10.1	1921	28.6	7.9
1971	17.3	9.9	1945	23.2	10.0	1920	28.4	8.7
1970	17.6	9.8	1944	24.0	10.2	1919	26.8	8.3
1969	17.1	10.1	1943	23.2	9.7	1918	30.5	11.8
1968	17.1	9.8	1942	22.5	9.5	1917	28.2	7.9
1967	17.0	9.5	1941	21.1	9.3	1916	27.8	8.0
1966	18.4	9.6	1940	19.9	8.9	1915	27.5	7.9
1965	19.8	9.4	1939	19.7	8.9	1914	27.0	7.7
1964	22.3	9.4	1938	19.5	8.4	1913	26.8	8.1
1963	23.6	9.4	1937	19.4	9.1	1912	26.7	7.0
1962	24.3	9.3	1936	20.8	9.3	1911	26.6	7.9
1961	25.3	9.0	1935	20.8	9.4	1910	27.2	7.9
1960	25.8	9.7	1934	20.9	9.6	1909	27.1	8.0
1959	26.5	9.3	1933	20.5	9.0	1908	26.8	7.9
1958	25.7	9.2	1932	21.1	8.3	1907	25.5	7.8
1957	26.2	9.3				1906	25.9	7.1

LIVE BIRTHS

LIVE BIRTHS

Overview

In the early to mid 1950's, South Dakota's birth rates were the highest they have been in the past fifty years (1932-1982), averaging 27.5 births per 1,000 population (or approximately 18,000 births per year). Following the mid 1950's through the 1960's and the early 1970's, the birth rates gradually declined, reaching their lowest point in 1973 with a rate of 15.7. Following 1973, the birth rates began increasing again, with the 1982 rate showing 18.6 births per 1,000 population.

During the last ten years, the average number of births per year increased from 11,379 (from 1973-1977) to 12,799 (from 1978-1982). With the exception of 1980, the state's birth rates for the past five years have remained relatively stable. The fluctuation in the state's rates from 1978 to 1982 is comparable to the rates for the white population for that time period. The state's birth rate increased 5.7% and the white population increased 4.2% from 1978 to 1982. The birth rate for the Indian population, however, increased 10.4% during the last five years. The birth rates for the Indian population have consistently been approximately twice as high as the rates for the white population and the state. The high proportion of Indian births is also noted in comparing the state's population breakdown by race and the percentage of births by race. The Indian population comprise 6.5% of the total state population, but 12.6% of the total state's resident births.

Birth Rates* by Race
South Dakota, 1978-1982

	SOUTH DAKOTA		WHITE		INDIAN		OTHER	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
1982	12,839**	18.6	11,089	17.3	1,623	36.1	120	19.5
1981	12,725**	18.4	11,050	17.3	1,537	34.2	132	12.2
1980	13,256**	19.2	11,531	18.0	1,592	35.4	128	20.8
1979	12,973**	18.8	11,398	17.8	1,456	32.4	114	18.5
1978	12,203	17.6	10,591	16.6	1,469	32.7	143	23.2

*The rates are based on the 1980 U.S. Census data.
**The difference in total number of white, Indian and other births and the total South Dakota births is due to "unknown" race on some births.

TABLE 5

BIRTHS BY COUNTY OF MOTHERS RESIDENCE BY RACE AND SEX, 1982

RESIDENCE COUNTY	TOTAL	RACE											
		TOTAL		WHITE		BLACK		INDIAN		OTHER		UNKNOWN	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL	12839	6484	6355	5598	5491	29	24	827	796	26	41	4	3
AURORA	49	24	25	24	25	-	-	-	-	-	-	-	-
BEADLE	288	146	142	145	140	-	-	-	1	-	1	1	-
BENNETT	77	37	40	13	15	-	-	24	25	-	-	-	-
BON HOMME	112	62	50	61	49	-	-	1	-	-	1	-	-
BROOKINGS	378	187	191	181	188	2	1	2	1	2	1	-	-
BROWN	701	378	323	361	300	-	-	15	21	2	2	-	-
BRULE	113	60	53	52	51	-	-	8	2	-	-	-	-
BUFFALO	54	30	24	3	-	1	-	26	24	-	-	-	-
BUTTE	115	64	51	63	50	-	-	1	1	-	-	-	-
CAMPBELL	32	22	10	22	10	-	-	-	-	-	-	-	-
CHARLES MIX	204	120	84	80	51	-	-	40	33	-	-	-	-
CLARK	89	43	46	43	46	-	-	-	-	-	-	-	-
CLAY	204	112	92	106	86	-	-	4	3	2	3	-	-
CODINGTON	450	220	230	219	226	-	-	1	4	-	-	-	-
CORSON	135	67	68	23	24	-	-	44	44	-	-	-	-
CUSTER	95	46	49	44	48	-	-	2	1	-	-	-	-
DAVISON	300	142	158	140	157	-	-	2	1	-	-	-	-
DAY	135	77	58	71	50	-	-	6	8	-	-	-	-
DEUEL	80	33	47	32	46	-	-	1	-	-	1	-	-
DEWEY	167	87	80	23	21	-	-	64	59	-	-	-	-
DOUGLAS	64	33	31	33	31	-	-	-	-	-	-	-	-
EDMUNDS	87	44	43	44	43	-	-	-	-	-	-	-	-
FALL RIVER	141	76	65	67	55	-	-	9	10	-	-	-	-
FAULK	59	39	20	39	20	-	-	-	-	-	-	-	-
GRANT	162	71	91	70	90	-	-	-	1	1	-	-	-
GREGORY	91	45	46	42	41	-	-	3	5	-	-	-	-
HAAKON	69	28	41	27	40	-	-	1	1	-	-	-	-
HAMLIN	91	45	46	45	45	-	-	-	1	-	-	-	-
HAND	75	42	33	42	33	-	-	-	-	-	-	-	-
HANSON	50	28	22	28	22	-	-	-	-	-	-	-	-
HARDING	43	27	16	26	16	-	-	1	-	-	-	-	-
HUGHES	268	130	138	117	128	1	-	12	9	-	1	-	-
HUTCHINSON	130	67	63	67	63	-	-	-	-	-	-	-	-
HYDE	26	16	10	16	9	-	-	-	1	-	-	-	-
JACKSON	69	35	34	18	14	-	-	17	20	-	-	-	-
JERAULD	39	21	18	21	18	-	-	-	-	-	-	-	-
JONES	23	7	16	7	16	-	-	-	-	-	-	-	-
KINGSBURY	94	45	49	45	47	-	-	-	-	-	2	-	-
LAKE	196	101	95	101	94	-	1	-	-	-	-	-	-
LAWRENCE	313	173	140	169	134	-	-	4	6	-	-	-	-
LINCOLN	244	108	136	107	134	-	-	1	-	-	2	-	-
LYMAN	89	44	45	29	24	-	-	15	21	-	-	-	-
MCCOOK	107	50	57	50	57	-	-	-	-	-	-	-	-
MCPHERSON	56	24	32	24	32	-	-	-	-	-	-	-	-
MARSHALL	93	48	45	45	43	-	-	3	2	-	-	-	-
MEADE	403	194	209	181	201	8	3	5	3	-	2	-	-
MELLETTE	57	28	29	9	10	-	-	19	19	-	-	-	-
MINER	59	28	31	28	31	-	-	-	-	-	-	-	-
MINNEHAHA	1918	922	996	897	970	3	1	14	13	8	12	-	-
MOODY	143	67	76	64	65	-	-	3	11	-	-	-	-
PENNINGTON	1587	813	774	699	655	14	18	91	86	7	12	2	3
PERKINS	72	39	33	39	32	-	-	-	1	-	-	-	-
POTTER	63	30	33	28	33	-	-	2	-	-	-	-	-
ROBERTS	226	112	114	77	68	-	-	35	46	-	-	-	-
SANBORN	61	26	35	26	35	-	-	-	-	-	-	-	-
SHANNON	361	193	168	10	11	-	-	183	156	-	1	-	-
SPINK	165	76	89	75	89	-	-	-	-	1	-	-	-
STANLEY	34	21	13	17	10	-	-	4	3	-	-	-	-
SULLY	31	11	20	11	20	-	-	-	-	-	-	-	-
TODD	249	135	114	21	10	-	-	114	104	-	-	-	-
TRIPP	141	55	86	38	70	-	-	16	16	-	-	1	-
TURNER	134	72	62	70	62	-	-	-	-	2	-	-	-
UNION	162	92	70	92	69	-	-	-	1	-	-	-	-
WALWORTH	105	51	54	46	45	-	-	5	9	-	-	-	-
YANKTON	350	184	166	177	164	-	-	6	2	1	-	-	-
ZIEBACH	61	31	30	8	9	-	-	23	21	-	-	-	-

TABLE 6

BIRTHS BY COUNTY OF RESIDENCE OF MOTHER
AND RACE OF MOTHER
SOUTH DAKOTA, 1982

RESIDENCE COUNTY	TOTAL		WHITE		INDIAN		OTHER		Unknown Race
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
SOUTH DAKOTA	12839	18.6	11089	17.3	1623	36.1	120	19.5	7
AURORA	49	13.5	49	13.6	-	-	-	-	
BEADLE	288	15.0	285	15.0	1	10.0	1	7.9	1
BENNETT	77	25.3	28	15.1	49	41.7	-	-	
BON HOMME	112	13.9	110	14.0	1	7.5	1	27.0	
BROOKINGS	378	15.5	369	15.4	3	38.0	6	22.8	
BROWN	701	19.0	661	18.4	36	43.7	4	20.8	
BRULE	113	21.5	103	20.1	10	88.5	-	-	
BUFFALO	54	30.1	3	5.7	50	39.4	1	-	
BUTTE	115	13.7	113	13.8	2	22.7	-	-	
CAMPBELL	32	14.3	32	14.3	-	-	-	-	
CHARLES MIX	204	21.1	131	16.4	73	43.1	-	-	
CLARK	89	18.2	89	18.3	-	-	-	-	
CLAY	204	14.9	192	14.5	7	20.3	5	38.2	
CODINGTON	450	21.5	445	21.6	5	27.8	-	-	
CORSON	135	26.0	47	17.2	88	35.8	-	-	
CUSTER	95	15.8	92	15.9	3	18.4	-	-	
DAVISON	300	16.8	297	16.9	3	24.0	-	-	
DAY	135	17.0	121	15.8	14	30.8	-	-	
DEUEL	80	15.1	78	14.8	1	200.0	1	-	
DEWEY	167	31.1	44	19.8	123	39.6	-	-	
DOUGLAS	64	15.3	64	15.4	-	-	-	-	
EDMUNDS	87	16.9	87	15.0	-	-	-	-	
FALL RIVER	141	16.7	122	15.4	19	44.0	-	-	
FAULK	59	17.7	59	17.8	-	-	-	-	
GRANT	162	18.0	160	17.9	1	30.3	1		
GREGORY	91	15.1	83	14.4	8	33.9	-	-	
HAAKON	69	24.7	67	24.3	2	64.5	-	-	
HAMLIN	91	17.3	90	17.2	1	38.5	-	-	
HAND	75	15.2	75	15.2	-	-	-	-	
HANSON	50	14.6	50	14.7	-	-	-	-	
HARDING	43	25.3	42	25.0	1	58.8	-	-	
HUGHES	268	18.8	245	18.5	21	23.6	2	-	
HUTCHINSON	130	13.9	130	14.0	-	-	-	-	
HYDE	26	12.6	25	12.7	1	11.2	-	-	
JACKSON	69	20.1	32	16.5	37	24.8	-	-	
JERAULD	39	13.3	39	13.3	-	-	-	-	
JONES	23	15.7	23	15.9	-	-	-	-	
KINGSBURY	94	14.1	92	13.8	-	-	2	-	
LAKE	196	18.3	195	18.3	-	-	1	-	
LAWRENCE	313	17.1	303	16.9	10	30.4	-	-	
LINCOLN	244	17.5	241	17.4	1	24.4	2	-	
LYMAN	89	23.0	53	17.9	36	40.0	-	-	
McCOOK	107	16.6	107	16.6	-	-	-	-	
McPHERSON	56	13.9	56	13.9	-	-	-	-	
MARSHALL	93	17.2	88	17.2	5	17.4	-	-	
MEADE	403	19.5	382	19.5	8	28.2	13	15.1	
MELLETTE	57	25.3	19	13.9	38	43.6	-	-	
MINER	59	15.8	59	15.8	-	-	-	-	
MINNEHAHA	1918	17.5	1867	17.4	27	24.2	24	23.7	
MOODY	143	21.4	129	20.4	14	41.7	-	-	
PENNINGTON	1587	22.6	1354	20.9	177	48.7	51	26.4	5
PERKINS	72	15.3	71	15.3	1	22.7	-	-	
POTTER	63	17.1	61	16.7	2	95.2	-	-	
ROBERTS	226	20.7	145	16.5	81	38.2	-	-	
SANBORN	61	19.0	61	19.1	-	-	-	-	
SHANNON	361	31.9	21	29.3	339	32.1	1	-	
SPINK	165	17.9	164	18.0	-	-	1	-	
STANLEY	34	13.4	27	11.1	7	73.7	-	-	
SULLY	31	15.6	31	15.7	-	-	-	-	
TODD	249	34.0	31	19.5	218	38.3	-	-	
TRIPP	141	19.4	108	16.2	32	56.2	-	-	1
TURNER	134	14.5	132	14.3	-	-	2	-	
UNION	162	14.8	161	14.9	1	17.5	-	-	
WALWORTH	105	15.0	91	13.8	14	34.1	-	-	
YANKTON	350	18.5	341	18.6	8	20.7	1	-	
ZIEBACH	61	26.4	17	17.7	44	32.8	-	-	

Age of Mother

Women between the ages of 20-24 years represented the age group with the greatest number of births (35%) in 1982. The 25-29 year olds were the second highest age group (33%). This ranking was representative of most of the counties with a few exceptions, e.g., 76% of Mellette County's births are evenly distributed among the 15-19, 20-24, and 25-29 year old age groups. Among the white population, the age groups 20-24 and 25-29 comprised the greatest percent of total white births in 1982; the two age groups account for 70% of all white births. Among the Indian population women in the 20-24 year old age group represent the largest percentage of the total Indian births (30%). The adolescent age groups (15-19 years), the 25-29 year olds, and the 35-39 year olds share almost equal proportions of the total Indian births (from 18-20% each).

FIGURE 10
LIVE BIRTHS BY AGE OF MOTHER, 1982
By Race

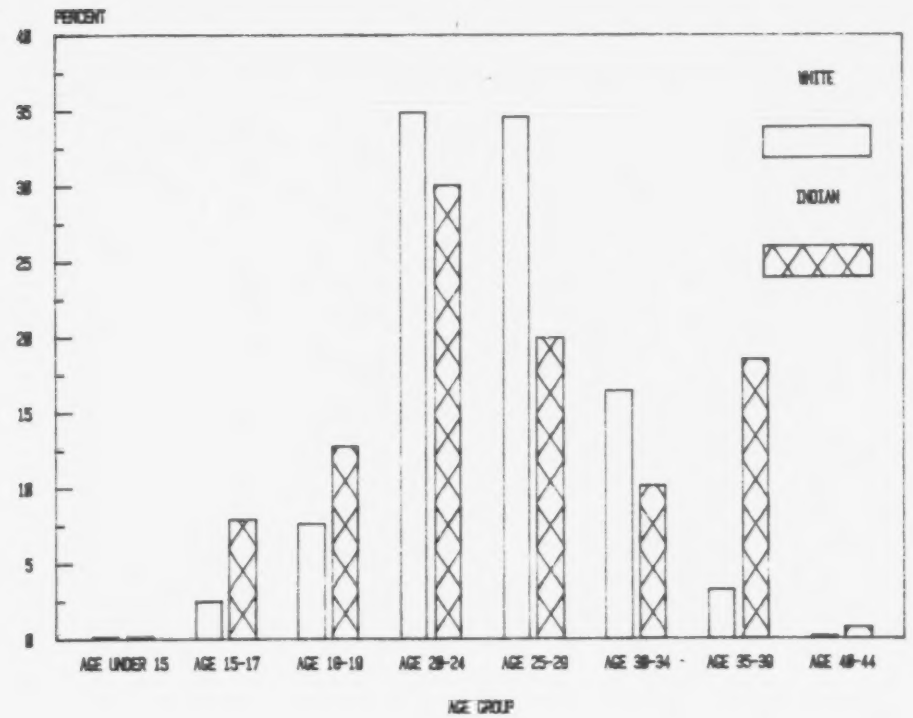


TABLE 7

BIRTHS BY COUNTY OF RESIDENCE OF MOTHER
BY MOTHER'S AGE
SOUTH DAKOTA, 1982

RESIDENCE COUNTY	TOTAL	AGE OF MOTHER																	
		UNDER 15		15-19		20-24		25-29		30-34		35-39		40-44		45+		UNKNOWN	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
SOUTH DAKOTA	12839	12	0	1525	12	4477	35	4262	33	2048	16	425	3	82	1	7	-	1	-
AURORA	49	-	-	5	10	15	31	14	29	13	27	1	2	1	2	-	-	-	-
BEADLE	288	-	-	33	11	97	34	98	34	49	17	9	3	2	-	-	-	-	-
BENNETT	77	-	-	14	18	29	38	24	31	7	9	2	3	1	1	-	-	-	-
BON HOMME	112	-	-	18	16	40	36	34	30	14	13	5	4	1	-	-	-	-	-
BROOKINGS	378	-	-	31	8	143	38	144	38	54	14	4	1	2	-	-	-	-	-
BROWN	701	-	-	75	11	236	34	255	36	109	16	23	3	3	-	-	-	-	-
BRULE	113	-	-	13	12	41	36	28	25	26	23	5	4	-	-	-	-	-	-
BUFFALO	54	-	-	14	26	17	31	16	30	3	6	3	6	1	2	-	-	-	-
BUTTE	115	-	-	17	15	50	43	30	26	13	11	4	3	-	-	1	-	-	-
CAMPBELL	32	-	-	4	13	11	34	12	38	3	9	1	3	1	3	-	-	-	-
CHARLES MIX	204	-	-	22	11	71	35	70	34	33	16	4	2	3	1	1	-	-	-
CLARK	89	-	-	6	7	33	37	25	28	21	24	3	3	1	1	-	-	-	-
CLAY	204	-	-	18	9	85	42	59	29	37	18	5	2	-	-	-	-	-	-
CODINGTON	450	-	-	50	11	167	37	152	34	64	14	14	3	3	-	-	-	-	-
CORSON	135	-	-	25	19	41	30	41	30	16	12	9	7	3	2	-	-	-	-
CUSTER	95	-	-	16	17	31	33	35	37	9	9	2	2	1	1	1	1	-	-
DAVISON	300	-	-	30	10	127	42	92	31	42	14	9	3	-	-	-	-	-	-
DAY	135	-	-	15	11	44	33	49	36	17	13	8	6	2	1	-	-	-	-
DEUEL	80	-	-	7	9	36	45	23	29	12	15	1	1	-	-	1	-	-	-
DEWEY	167	-	-	35	21	59	35	39	23	21	13	12	7	1	-	-	-	-	-
DOUGLAS	64	-	-	2	3	29	45	22	34	8	13	3	5	-	-	-	-	-	-
EDMUNDS	87	1	1	7	8	22	25	32	37	20	23	4	5	1	1	-	-	-	-
FALL RIVER	141	-	-	18	13	48	34	48	34	23	16	4	3	-	-	-	-	-	-
FAULK	59	-	-	6	10	21	36	17	29	12	20	1	2	2	3	-	-	-	-
GRANT	162	-	-	20	12	55	34	55	34	23	14	8	5	-	-	1	-	-	-
GREGORY	91	-	-	16	18	34	37	26	29	8	9	6	7	1	1	-	-	-	-
HAAKON	69	-	-	8	12	26	38	19	28	15	22	1	1	-	-	-	-	-	-
HAMLIN	91	-	-	6	7	29	32	29	32	20	22	6	7	1	1	-	-	-	-
HAND	75	-	-	6	8	21	28	30	40	14	19	4	5	-	-	-	-	-	-
HANSON	50	-	-	5	10	21	42	16	32	7	14	1	2	-	-	-	-	-	-
HARDING	43	-	-	4	9	15	35	18	42	6	14	-	-	-	-	-	-	-	-
HUGHES	268	-	-	24	9	81	30	93	35	60	22	9	3	-	-	1	-	-	-
HUTCHINSON	130	-	-	8	6	38	29	45	35	32	25	4	3	3	2	-	-	-	-
HYDE	26	-	-	3	12	5	19	13	50	4	15	1	4	-	-	-	-	-	-
JACKSON	69	-	-	8	12	25	36	22	32	8	12	6	8	-	-	-	-	-	-
JERAULD	39	1	3	4	10	7	18	14	36	10	26	2	5	1	3	-	-	-	-
JONES	23	-	-	2	9	12	52	6	26	3	13	-	-	-	-	-	-	-	-
KINGSBURY	94	-	-	8	9	34	36	41	44	8	9	2	2	1	1	-	-	-	-
LAKE	196	-	-	14	7	80	41	64	33	30	15	6	3	2	1	-	-	-	-
LAWRENCE	313	-	-	42	13	116	37	100	32	47	15	8	2	-	-	-	-	-	-
LINCOLN	244	-	-	21	9	94	39	86	35	39	16	4	2	-	-	-	-	-	-
LYMAN	89	-	-	11	12	27	30	31	35	15	17	2	2	3	3	-	-	-	-
McCOOK	107	-	-	12	11	30	28	34	32	27	25	2	2	2	2	-	-	-	-
McPHERSON	56	-	-	4	7	18	32	19	34	10	18	4	7	1	2	-	-	-	-
MARSHALL	93	-	-	15	16	34	37	26	28	14	15	2	2	2	2	-	-	-	-
MEADE	403	1	-	37	9	128	32	161	40	60	15	10	2	6	1	-	-	-	-
MELLETTE	57	-	-	14	25	14	25	15	26	10	18	3	5	1	2	-	-	-	-
MINER	59	-	-	5	8	18	31	25	42	7	12	4	7	-	-	-	-	-	-
MINNEHAHA	1918	1	-	169	9	573	30	749	39	369	19	50	3	7	-	-	-	-	-
MOODY	143	-	-	8	6	51	36	49	34	27	19	6	4	2	1	-	-	-	-
PENNINGTON	1587	3	-	227	14	614	39	463	29	227	14	45	3	7	-	1	-	-	-
PERKINS	72	-	-	6	8	26	36	31	43	7	10	2	3	-	-	-	-	-	-
POTTER	63	-	-	8	13	22	35	17	27	8	13	7	11	1	2	-	-	-	-
ROBERTS	226	-	-	35	15	84	37	54	24	42	19	11	5	-	-	-	-	-	-
SANBORN	61	-	-	9	15	19	31	20	33	11	18	2	3	-	-	-	-	-	-
SHANNON	361	1	-	86	24	131	36	84	23	40	11	16	4	3	-	-	-	-	-
SPINK	165	-	-	18	11	66	40	53	32	23	14	4	2	1	-	-	-	-	-
STANLEY	34	-	-	10	29	11	32	9	26	3	9	1	3	-	-	-	-	-	-
SULLY	31	-	-	3	10	11	35	13	42	4	13	-	-	-	-	-	-	-	-
TODD	249	1	-	56	22	80	32	60	24	37	15	14	6	1	-	-	-	-	-
TRIPP	141	-	-	25	18	38	27	43	30	26	18	8	6	-	-	-	-	1	-
TURNER	134	-	-	16	12	40	30	53	40	18	13	5	4	2	1	-	-	-	-
UNION	162	1	1	17	10	56	35	57	35	25	15	5	3	1	-	-	-	-	-
WALWORTH	105	1	1	13	12	42	40	30	29	16	15	2	2	1	-	-	-	-	-
YANKTON	350	1	-	28	8	138	39	117	33	50	14	15	4	1	-	-	-	-	-
ZIEBACH	61	-	-	13	21	20	33	13	21	12	20	1	2	2	3	-	-	-	-

Percent equals the percentage of births in each age group. Percentages less than 1 are not shown.

Attendant At Birth

As would be expected, the majority of births occur with a physician in attendance. The percent of such births, however, has decreased by one percent in the past four years - from 97% in 1979 to 96% in 1982. The number of births occurring in the State with a mid-wife in attendance has increased by one percent over the same four year period. In 1982, Todd and Meade Counties had the highest percentages of births occurring with mid-wives in attendance. Sixty-eight percent of Todd County's births and 36% of Meade County's births had a mid-wife in attendance.

BIRTHS BY ATTENDANT AT BIRTH
South Dakota

	TOTAL BIRTHS*	PERCENT OF TOTAL MD-DO	MID-WIFE	OTHER MEDICAL	NON-MEDICAL
1982	12,722	96.0%	3.4%	.3%	.3%
1981	12,674	96.7%	2.8%	.1%	.3%
1980	13,157	97.2%	2.1%	.1%	.6%
1979	12,857	97.0%	2.6%	.2%	.3%

*Total births occurring in South Dakota

TABLE 8

BIRTHS BY COUNTY OF OCCURRENCE BY ATTENDANT AT BIRTH, 1982

COUNTY OF OCCURRENCE	TOTAL	ATTENDANT AT BIRTH				
		MD-DO	MID-WIFE	OTHER MEDICAL	OTHER NON MEDICAL	UNKNOWN OR NOT STATED
TOTAL	12722	12217	432	33	38	2
AURORA	1	-	-	1	-	-
BEADLE	417	416	-	-	1	-
BENNETT	25	24	-	-	1	-
BON HOMME	74	74	-	-	-	-
BROOKINGS	367	367	-	-	-	-
BROWN	1030	1030	-	-	-	-
BRULE	114	114	-	-	-	-
BUFFALO	-	-	-	-	-	-
BUTTE	121	121	-	-	-	-
CAMPBELL	-	-	-	-	-	-
CHARLES MIX	160	160	-	-	-	-
CLARK	-	-	-	-	-	-
CLAY	114	114	-	-	-	-
CODINGTON	677	677	-	-	-	-
CORSON	-	-	-	-	-	-
CUSTER	53	53	-	-	-	-
DAVISON	534	534	-	-	-	-
DAY	38	37	-	-	1	-
DEUEL	28	27	-	-	1	-
DEWEY	152	152	-	-	-	-
DOUGLAS	27	27	-	-	-	-
EDMUNDS	48	48	-	-	-	-
FALL RIVER	114	113	-	-	1	-
FAULK	14	14	-	-	-	-
GRANT	77	77	-	-	-	-
GREGORY	138	137	-	-	1	-
HAAKON	45	45	-	-	-	-
HAMLIN	-	-	-	-	-	-
HAND	65	65	-	-	-	-
HANSON	-	-	-	-	-	-
HARDING	-	-	-	-	-	-
HUGHES	409	408	-	-	1	-
HUTCHINSON	184	184	-	-	-	-
HYDE	-	-	-	-	-	-
JACKSON	-	-	-	-	-	-
JERAULD	50	49	1	-	-	-
JONES	-	-	-	-	-	-
KINGSBURY	94	94	-	-	-	-
LAKE	155	155	-	-	-	-
LAWRENCE	399	399	-	-	-	-
LINCOLN	14	14	-	-	-	-
LYMAN	-	-	-	-	-	-
MCCOOK	2	-	-	-	2	-
MCPHERSON	37	37	-	-	-	-
MARSHALL	32	32	-	-	-	-
MEADE	612	387	220	3	2	-
MELLETTE	1	-	-	-	1	-
MINER	-	-	-	-	-	-
MINNEHAHA	2727	2707	-	2	18	-
MOODY	38	9	10	19	-	-
PENNINGTON	1514	1510	1	-	3	-
PERKINS	3	1	-	2	-	-
POTTER	88	88	-	-	-	-
ROBERTS	179	179	-	-	-	-
SANBORN	-	-	-	-	-	-
SHANNON	407	328	75	2	2	-
SPINK	43	42	-	-	1	-
STANLEY	-	-	-	-	-	-
SULLY	-	-	-	-	-	-
TODD	186	60	124	2	-	-
TRIPP	96	95	-	-	-	1
TURNER	58	57	-	-	1	-
UNION	3	1	-	1	1	-
WALWORTH	155	154	-	-	-	1
YANKTON	801	801	-	-	-	-
ZIEBACH	2	-	1	1	-	-

Congenital Anomalies

Congenital anomalies or malformations are structural defects present at birth. They are also referred to as congenital defects or birth defects. Data needed to study anomalies is usually derived from information entered on live birth certificates. This method of obtaining data presents several problems for meaningful data analysis for two reasons: 1) the short interval before a certificate is filed can result in a failure to recognize some defects; 2) the transfer of information from hospital records to birth certificates may be inaccurate or imcomplete, i.e., the most severe anomaly is recorded although multiple anomalies are present.

Consistently, the percent of total births in South Dakota resulting in a recorded congenital anomaly has been between 1.4% and 1.6%. According to a nine year study, from 1970-1978, births to mothers age 40 or more are nearly twice as likely to result in anomalies as births to mothers in any other age cohort. Births to the 20-24 year age group were the least likely to have congenital anomalies. Male infants are more likely than female infants to have congenital anomalies, as revealed by the nine-year study and the 1982 data. In 1982, 55% of the recorded anomalies occurred to males and 45% to females. Previously, the rate for congenital anomalies has been higher among the Indian, or non-white population, than among the white population. For example, in 1981, the Indian population had a rate of 22.8 births with congenital anomalies for every 1,000 births, as compared to the white rate of 14.8. However in 1982, the rate for white infants was higher than for Indian infants.

CONGENITAL ANOMALIES, BY RACE
South Dakota 1981 & 1982
(Rates per 1,000 Births)

	1982	1981
White	15.1	14.8
Indian	11.1	22.8
SOUTH DAKOTA	14.7	15.7

In 1982, the major types of congenital anomalies recorded at birth involved the musculoskeletal system. Such anomalies comprised 32% of all recorded anomalies.

TABLE 9

BIRTHS WITH REPORTED CONGENITAL
ANOMALIES BY CAUSE, RACE, SEX, 1982

CONGENITAL ANOMALIES		TOTAL	MOTHER'S RACE					
			WHITE		INDIAN		OTHER	
			MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL		189	95	73	8	10	1	2
7410-7419	SPINA BIFIDA	5	3	2	-	-	-	-
7423-7429	ANOMALIES OF NERVOUS SYSTEM	4	2	-	-	2	-	-
7438	ANOMALIES OF EYE	2	1	1	-	-	-	-
7440-7449	ANOMALIES OF EAR, FACE AND NECK	13	4	5	2	2	-	-
7451-7454	ANOMALIES OF CARDIAC SEPTAL CLOSURE	5	2	3	-	-	-	-
7468-7469	OTHER ANOMALIES OF THE HEART	8	5	2	1	-	-	-
7470-7476	OTHER ANOMALIES OF CIRCULATORY SYSTEM	3	-	3	-	-	-	-
7480-7485	ANOMALIES OF RESPIRATORY SYSTEM	5	2	3	-	-	-	-
7490-7499	CLEFT PALATE AND CLEFT LIP	19	10	6	1	2	-	-
7500-7509	ANOMALIES OF UPPER ALIMENTARY TRACT	6	3	1	1	-	-	1
7515	OTHER ANOMALIES OF DIGESTIVE SYSTEM	5	3	2	-	-	-	-
7524-7529	ANOMALIES OF GENITAL ORGANS	25	21	3	-	1	-	-
7543-7547	MUSCULOSKELETAL DEFORMITIES	18	9	7	1	1	-	-
7550-7556	CONGENITAL ANOMALIES OF LIMBS	34	14	18	-	1	1	-
7560-7567	OTHER MUSCULOSKELETAL ANOMALIES	10	4	5	1	-	-	-
7573	ANOMALIES OF THE INTEGUMENT	11	4	5	1	1	-	-
7580-7582	CHROMOSOMAL ANOMALIES	8	4	3	-	-	-	1
7594-7599	OTHER AND UNSPECIFIED ANOMALIES	8	4	4	-	-	-	-

Out-of-Wedlock Births

An increasing number of South Dakota births are out-of-wedlock. The number is increasing among both the white and Indian populations of the State. In 1960, 1.6% of all white births were out-of-wedlock. By 1970, the percent had increased to 6.1%, and by 1980 it was 7.8%. In 1982 the out-of-wedlock births among the white population reached the highest point in the past 22 years - 8.6% of all white births. In 1982 the percent of out-of-wedlock births to white mothers increased by more than five times the 1960 figure. The Indian out-of-wedlock births although comprising a larger proportion of the total Indian births, increased at a lesser rate in the white out-of-wedlock births. In 1960, the Indian out-of-wedlock births represented 22.8% of that Indian births. By 1970, the proportion was 32.0%, and by 1980 it was 54.4%. In 1982, the Indian out-of-wedlock births were also at their highest in 22 years - 58.3% of total Indian births The 1982 proportion is approximately 2 and one-half times the 1960 proportion.

The age of the mother is a significant factor in out-of-wedlock births, particularly among the white population. The white adolescent mothers have a much higher percent of births out-of-wedlock than do the mothers who are over 19 years of age. In 1982, among the older white teenagers (17-19 years) 32% of the births were out-of-wedlock, however, among the mothers aged 30-39 years, only 3% of the births were out-of-wedlock.

Although the Indian adolescent mothers have a somewhat higher percent of births out-of-wedlock than do mothers who are over 19 years of age, the latter also have a high percent of births out-of-wedlock. In 1982, for example, out-of-wedlock births to the older Indian adolescents (17-19 years) represented 72% of all births that age group. Among the Indian women, 30-39 years, 44% of all births were out-of-wedlock.

FIGURE 11
PERCENT OF BIRTHS OUT-OF-WEDLOCK
South Dakota, by Race, 1960-1981

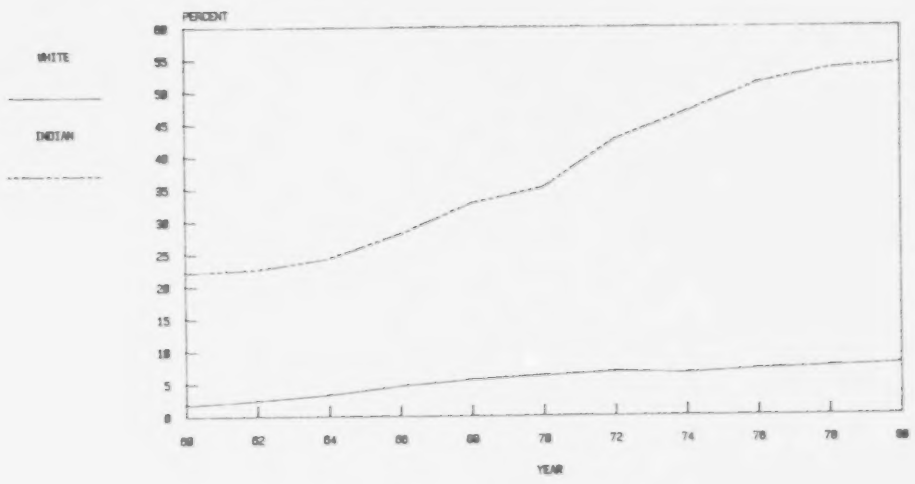


TABLE 10

OUT OF WEDLOCK BIRTHS BY COUNTY OF MOTHER'S RESIDENCE
BY RACE 1982

	TOTAL BIRTHS	UNWED MOTHERS								UNK MARTIAL STATUS
		TOTAL		WHITE		INDIAN		OTHER		
		NUMBER	RATIO	NUMBER	RATIO	NUMBER	RATIO	NUMBER	RATIO	
SOUTH DAKOTA	12,839	1,915	149.2	955	86.1	947	583.5	13	108.3	148
AURORA	49	2	40.8	2	40.8	-	-	-	-	-
BEADLE	288	30	104.2	29	101.8	1	1000.0	-	-	-
BENNETT	77	33	428.6	3	107.1	30	612.2	-	-	-
BON HOMME	112	11	98.2	11	100.0	-	-	-	-	-
BROOKINGS	378	30	79.4	30	81.3	-	-	-	-	-
BROWN	701	91	129.8	70	105.9	20	555.6	1	250.0	-
BRULE	113	15	132.7	8	77.7	7	700.0	-	-	-
BUFFALO	54	34	629.6	-	-	33	660.0	1	1000.0	-
BUTTE	115	14	121.7	14	123.9	-	-	-	-	-
CAMPBELL	32	-	-	-	-	-	-	-	-	10
CHARLES MIX	204	49	240.2	5	38.2	44	602.7	-	-	1
CLARK	89	1	11.2	1	11.2	-	-	-	-	-
CLAY	204	23	112.7	17	88.5	6	857.1	-	-	-
CODINGTON	450	45	100.0	41	92.1	4	800.0	-	-	-
CORSON	135	45	333.3	2	42.6	43	488.6	-	-	23
CUSTER	95	8	84.2	6	65.2	2	666.7	-	-	-
DAVISION	300	32	106.7	30	101.0	2	666.7	-	-	-
DAY	135	14	103.7	8	66.1	6	428.6	-	-	-
DEUEL	80	2	25.0	2	25.6	-	-	-	-	-
DEWEY	167	65	389.2	3	68.2	62	504.1	-	-	28
DOUGLAS	64	3	46.9	3	46.9	-	-	-	-	-
EDMUNDS	87	5	57.5	5	57.5	-	-	-	-	-
FALL RIVER	141	22	156.0	14	114.8	8	421.1	-	-	-
FAULK	59	4	67.8	4	67.8	-	-	-	-	-
GRANT	162	20	123.5	20	125.0	-	-	-	-	-
GREGORY	91	8	87.9	5	60.2	3	375.0	-	-	-
HAAKON	69	5	72.5	3	44.8	2	1000.0	-	-	-
HAMLIN	91	2	22.0	2	22.2	-	-	-	-	-
HAND	75	2	26.7	2	26.7	-	-	-	-	-
HANSON	50	2	40.0	2	40.0	-	-	-	-	-
HARDING	43	3	69.8	3	71.4	-	-	-	-	-
HUGHES	268	42	156.7	30	122.4	11	916.6	1	500.0	-
HUTCHINSON	130	2	15.4	2	15.4	-	-	-	-	-
HYDE	26	2	76.9	1	40.0	1	1000.0	-	-	-
JACKSON	69	17	246.4	-	-	17	459.5	-	-	-
JERAULD	39	2	51.3	2	51.3	-	-	-	-	-
JONES	23	1	43.5	1	43.5	-	-	-	-	-
KINGSBURY	94	5	53.2	5	54.3	-	-	-	-	-
LAKE	196	9	45.9	9	46.2	-	-	-	-	-
LAWRENCE	313	43	137.4	37	122.1	6	600.0	-	-	-
LINCOLN	244	12	49.2	11	45.6	1	1000.0	-	-	-
LYMAN	89	22	247.2	9	169.8	13	361.1	-	-	-
MCCOOK	107	5	46.7	5	46.7	-	-	-	-	-
MCPHERSON	56	2	35.7	2	35.7	-	-	-	-	1
MARSHALL	93	11	118.3	8	90.9	3	600.0	-	-	-
MEADE	403	28	69.5	22	57.6	4	500.0	2	153.8	-
MELLETTE	57	20	350.9	2	105.3	18	473.7	-	-	-
MINER	59	3	50.8	3	50.8	-	-	-	-	-
MINNEHAHA	1,918	220	114.7	201	107.7	18	666.7	1	41.7	-
MOODY	143	10	69.9	6	46.5	4	285.7	-	-	-
PENNINGTON	1,587	248	156.3	132	97.5	09	615.8	7	137.3	-
PERKINS	72	5	69.4	5	70.4	-	-	-	-	-
POTTER	63	7	111.1	5	82.0	2	1000.0	-	-	-
ROBERTS	226	67	296.5	12	82.8	55	679.0	-	-	-
SANBORN	61	3	49.2	3	49.2	-	-	-	-	-
SHANNON	361	217	601.1	3	142.9	14	631.3	-	-	-
SPINK	165	18	109.1	18	109.8	-	-	-	-	1
STANLEY	34	9	264.7	6	222.2	3	428.6	-	-	-
SULLY	31	-	-	-	-	-	-	-	-	-
TODD	249	142	570.3	3	96.8	39	637.6	-	-	1
TRIPP	141	27	191.5	8	74.1	19	593.8	-	-	13
TURNER	134	13	97.0	13	98.5	-	-	-	-	-
UNION	162	11	67.9	11	68.3	-	-	-	-	-
WALWORTH	105	8	76.2	1	11.0	7	500.0	-	-	68
YANKTON	350	40	114.3	34	99.8	6	750.0	-	-	-
ZIEBACH	61	24	393.4	-	-	24	545.5	-	-	2

RATIO IS THE NUMBER OF OUT OF WEDLOCK BIRTHS PER 1,000 LIVE BIRTHS

TABLE 11

RESIDENT BIRTHS BY AGE, RACE AND MARITAL STATUS OF MOTHER, 1982

MOTHER'S AGE	TOTAL BIRTHS	MOTHER'S RACE AND MARITAL STATUS											
		WHITE			INDIAN			OTHER			UNKNOWN		
		MARRIED	NOT MARRIED	UNKNOWN	MARRIED	NOT MARRIED	UNKNOWN	MARRIED	NOT MARRIED	UNKNOWN	MARRIED	NOT MARRIED	UNKNOWN
TOTAL	12839	10010	955	124	653	947	23	109	11	-	4	2	1
13	1	-	1	-	-	-	-	-	-	-	-	-	-
14	11	-	7	-	-	4	-	-	-	-	-	-	-
15	36	6	15	1	1	13	-	-	-	-	-	-	-
16	130	30	47	1	9	40	2	-	1	-	-	-	-
17	266	74	103	3	11	73	1	-	1	-	-	-	-
18	456	232	102	6	25	87	2	2	-	-	-	-	-
19	637	373	127	2	32	96	-	5	2	-	-	-	-
20	763	521	103	3	49	80	2	2	1	-	-	2	-
21	885	633	90	11	49	89	4	7	2	-	-	-	-
22	970	770	60	13	55	61	2	9	-	-	-	-	-
23	941	778	51	12	41	50	-	7	2	-	-	-	-
24	918	769	43	8	36	54	-	8	-	-	-	-	-
25	931	805	39	8	34	38	2	5	-	-	-	-	-
26	908	766	41	4	48	39	-	9	1	-	-	-	-
27	918	783	23	9	40	43	1	17	-	-	2	-	-
28	773	663	14	7	42	37	3	7	-	-	-	-	-
29	732	649	18	8	27	24	1	5	-	-	-	-	-
30	629	526	22	3	32	38	-	7	-	-	1	-	-
31	480	420	13	3	19	21	-	3	-	-	1	-	-
32	401	348	9	4	19	14	1	5	1	-	-	-	-
33	286	246	6	10	15	8	-	1	-	-	-	-	-
34	252	220	4	-	13	12	1	2	-	-	-	-	-
35	163	130	5	-	14	11	-	3	-	-	-	-	-
36	87	69	4	1	6	6	-	1	-	-	-	-	-
37	71	52	3	2	10	2	1	1	-	-	-	-	-
38	63	50	1	2	7	3	-	-	-	-	-	-	-
39	41	32	1	1	6	1	-	-	-	-	-	-	-
40	36	24	1	-	7	3	-	1	-	-	-	-	-
41	23	18	-	1	4	-	-	-	-	-	-	-	-
42	10	8	-	-	1	-	-	1	-	-	-	-	-
43	7	7	-	-	-	-	-	-	-	-	-	-	-
44	6	3	1	1	1	-	-	-	-	-	-	-	-
45	3	3	-	-	-	-	-	-	-	-	-	-	-
46	3	1	1	-	-	-	-	1	-	-	-	-	-
47	1	1	-	-	-	-	-	-	-	-	-	-	-
UNKNOWN AGE	1	-	-	-	-	-	-	-	-	-	-	-	1

TABLE 12

BIRTHS BY COUNTY OF MOTHER'S RESIDENCE BY BIRTH WEIGHT, 1982

RESIDENCE	TOTAL	BIRTH WEIGHT IN GRAMS											
		499 OR LESS	500 999	1,000 1,499	1,500 1,999	2,000 2,499	2,500 2,999	3,000 3,499	3,500 3,999	4,000 4,499	4,500 4,999	5,000 OR MORE	NOT STATED
TOTAL	12839	12	45	50	125	421	1571	4512	4324	1436	298	33	12
AURORA	49	-	-	-	1	3	2	20	18	5	-	-	-
BEADLE	288	-	-	1	1	4	31	105	93	42	10	1	-
BENNETT	77	-	-	1	-	1	8	37	23	6	-	-	1
BON HOMME	112	-	-	-	3	3	11	42	34	15	4	-	-
BROOKINGS	378	1	-	1	6	8	39	117	145	52	7	2	-
BROWN	701	1	2	2	6	20	95	244	242	75	12	2	-
BRULE	113	-	-	-	1	3	9	44	41	11	4	-	-
BUFFALO	54	-	-	1	2	1	6	13	22	5	4	-	-
BUTTE	115	-	1	-	-	4	18	46	36	8	2	-	-
CAMPBELL	32	-	-	-	-	1	3	5	16	6	1	-	-
CHARLES MIX	204	-	-	2	2	6	18	65	75	28	6	2	-
CLARK	89	-	-	-	-	4	15	31	30	9	-	-	-
CLAY	204	-	-	3	1	4	11	69	92	21	3	-	-
CODINGTON	450	-	-	2	6	14	48	149	163	50	16	2	-
CORSON	135	-	-	-	1	5	12	42	41	25	8	1	-
CUSTER	95	-	-	-	-	1	15	35	40	3	1	-	-
DAVISON	300	-	-	2	1	9	28	101	114	36	8	1	-
DAY	135	-	-	-	-	5	12	50	50	13	5	-	-
DEUEL	80	-	1	1	1	2	6	21	33	13	2	-	-
DEWEY	167	-	-	-	2	5	20	61	55	21	3	-	-
DOUGLAS	64	-	1	-	-	2	9	26	14	8	4	-	-
EDMUNDS	87	-	1	1	-	1	10	35	30	9	-	-	-
FALL RIVER	141	-	-	-	-	5	20	57	44	13	1	1	-
FAULK	59	-	-	-	1	2	6	18	23	6	2	1	-
GRANT	162	-	1	1	2	2	17	48	65	20	6	-	-
GREGORY	91	-	1	-	-	3	9	34	29	10	4	-	1
HAAKON	69	-	-	-	-	3	9	27	22	6	2	-	-
HAMLIN	91	-	-	1	1	1	12	31	29	12	4	-	-
HAND	75	-	-	-	-	-	6	25	31	7	4	-	2
HANSON	50	-	-	-	-	-	6	13	19	9	3	-	-
HARDING	43	-	-	-	-	1	4	13	15	7	3	-	-
HUGHES	268	3	3	1	6	11	38	97	85	20	4	-	-
HUTCHINSON	130	-	1	-	2	1	25	38	39	20	3	1	-
HYDE	26	-	-	-	-	1	4	9	8	4	-	-	-
JACKSON	69	-	-	-	-	2	10	24	23	6	2	-	2
JERAULD	39	-	-	-	-	2	3	13	14	5	1	1	-
JONES	23	-	-	-	1	1	4	10	6	1	-	-	-
KINGSBURY	94	-	1	-	1	5	14	31	29	11	2	-	-
LAKE	196	1	-	2	3	6	19	73	69	15	7	1	-
LAWRENCE	313	-	2	1	1	14	44	113	109	23	5	-	1
LINCOLN	244	1	1	1	2	10	24	92	77	27	8	1	-
LYMAN	89	-	-	-	2	2	15	30	30	9	1	-	-
MCCOOK	107	-	-	-	-	2	11	44	38	10	2	-	-
MCPHERSON	56	-	1	-	1	-	4	24	16	9	1	-	-
MARSHALL	93	-	1	-	2	6	12	28	37	7	-	-	-
MEADE	403	-	3	-	5	23	51	142	133	41	5	-	-
MELLETTE	57	-	-	1	-	2	10	17	19	5	3	-	-
MINER	59	-	-	-	-	1	6	16	24	10	2	-	-
MINNEHAHA	1918	1	7	8	22	63	256	663	631	228	33	6	-
MOODY	143	-	1	-	-	1	14	49	52	17	8	1	-
PENNINGTON	1587	2	7	11	12	61	228	594	487	154	25	5	1
PERKINS	72	-	-	1	1	5	13	19	26	7	-	-	-
POTTER	63	1	-	-	2	3	7	25	16	6	2	1	-
ROBERTS	226	-	-	-	2	5	25	82	74	27	11	-	-
SANBORN	61	-	-	-	1	2	5	26	17	9	1	-	-
SHANNON	361	1	5	2	6	15	33	134	108	44	11	-	2
SPINK	165	-	-	-	-	6	18	66	55	15	4	-	1
STANLEY	34	-	-	-	-	1	10	9	12	2	-	-	-
SULLY	31	-	-	-	-	-	4	11	15	1	-	-	-
TODD	249	-	1	-	5	19	35	85	68	28	5	3	-
TRIPP	141	-	-	-	-	4	28	54	37	13	4	-	1
TURNER	134	-	2	1	-	7	13	48	37	23	3	-	-
UNION	162	-	-	-	4	2	17	54	55	25	5	-	-
WALWORTH	105	-	-	-	1	2	15	31	41	11	4	-	-
YANKTON	350	-	-	2	5	11	36	116	134	42	4	-	-
ZIEBACH	61	-	1	-	-	2	5	21	19	10	3	-	-

Low-Weight Births

A low-weight birth is defined as a birthweight of less than 2500 grams. Prior to 1981, the definition included those babies weighing 2500 grams (a one-gram difference in definition). Low weight births are usually expressed as the percentage of total live births.

Since low birth weight babies are known to be high-risk and have a higher infant mortality rate, it is important to assess the State's low weight births. Since at least the 1950's South Dakota has had fewer low weight births, in proportion to all births, than the nation. For the past five years (1978-1982), South Dakota's low weight births have averaged 5.2% of all live births.

Low Birth Weight Babies
South Dakota, 1978-1982
(Less than 2500 Grams)

	NUMBER	%
1982	653	5.1%
1981	674	5.3%
1980*	692	5.2%
1979*	651	5.0%
1978*	644	5.3%

*Low weight births are defined as 2500 grams and less.

Prenatal Care

Prenatal care, an indicator of maternal and child health, also reflects health beliefs and attitudes --- especially toward preventive care. Five years ago, in 1978, 68.4% of all South Dakota births received first trimester prenatal care. This percent has improved slightly in 1982, with 70.2% of all births receiving first trimester prenatal care. Early prenatal care has improved for both whites and non-whites in the past five years, although the improvement has been greater among the white population. In 1982, less than half of the non-white, or Indian births received first trimester care (non-whites - 42.1% and Indians 40.5%).

PRENATAL CARE BY TRIMESTER CARE BEGAN
South Dakota, 1978 and 1982
(% of all live births)

SOUTH DAKOTA

	1st Trimester	2nd Trimester	3rd Trimester	None
1982	70.1%	21.9%	5.1%	1.5%
1978	68.4%	24.6%	5.3%	1.5%

	WHITE				NON-WHITE			
	1ST	2ND	3RD	NONE	1ST	2ND	3RD	NONE
1982	74.5%	20.4%	3.3%	.8%	42.1%	31.8%	15.9%	6.1%
1978	72.1%	23.4%	3.6%	.6%	41.9%	33.3%	16.6%	7.6%

NOTE: The percentages for each year do not total 100% due to the fact that the onset of prenatal care is reported as "unknown" on some certificates.

An analysis of the age of mothers who began prenatal care in the first trimester, indicates that the age groups considered to be high-risk (adolescent and over 40 years of age) have lower percentages of women receiving early prenatal care. Less than half of adolescents (15-19 years) and women over 40 years, who gave birth in 1982, received first trimester prenatal care. The 25-29 year old age group had the highest precent of first trimester care. Among the white population, 54% of the adolescents (15-19 years) who gave birth received first trimester care. However, less than one third (32.7%) of the Indian adolescents received early prenatal care. In each of age groups, less than one half of the Indian women received first trimester care.

TABLE 13

PERCENT OF BIRTHS RECEIVING FIRST TRIMESTER PRENATAL CARE
By Race and Age of Mother
South Dakota, 1982
(Percent of Total Births in Each age Group)

AGE	SOUTH DAKOTA	WHITE	INDIAN
1-14	25.0%	37.5%	-
15-19	48.6%	54.0%	32.7%
20-24	69.5%	73.7%	42.0%
25-29	76.6%	79.9%	44.4%
30-34	75.9%	79.4%	44.4%
35-39	65.8%	70.0%	43.2%
40-44	48.1%	52.3%	31.2%
45+	57.1%	50.0%	-

TABLE 14

SINGLE LIVE BIRTHS BY AGE OF MOTHER, RACE OF MOTHER AND MONTH PRENATAL CARE BEGAN, 1982

MOTHER'S RACE		TOTAL	MONTH PRENATAL CARE BEGAN										
			NONE	1	2	3	4	5	6	7	8	9	NOT STATED
TOTAL		12705	194	669	4415	3823	1600	751	437	336	199	108	173
WHITE	TOTAL	10972	88	610	4041	3526	1361	569	306	204	114	49	104
INDIAN	TOTAL	1611	106	52	337	263	212	175	127	129	83	58	69
OTHER	TOTAL	122	-	7	37	34	27	7	4	3	2	1	-
	MOTHER'S AGE												
TOTAL	01-14	12	2	1	-	2	-	1	-	4	1	1	-
	15-19	1517	39	56	301	380	267	186	105	84	39	29	31
	20-24	4430	73	225	1505	1351	567	259	148	124	85	31	62
	25-29	4215	53	266	1629	1335	461	185	103	66	44	28	45
	30-34	2021	13	101	818	616	236	88	52	34	21	14	28
	35-39	422	11	17	141	120	55	22	22	17	7	3	7
	40-44	81	2	3	19	17	14	9	7	6	2	2	-
	45+	7	1	-	2	2	-	1	-	1	-	-	-
MOTHER'S RACE	MOTHER'S AGE												
WHITE	01-14	8	2	1	-	2	-	-	-	3	-	-	-
	15-19	1115	17	50	242	311	207	125	70	45	20	15	13
	20-24	3825	33	204	1367	1249	491	198	105	81	46	12	39
	25-29	3794	26	243	1530	1259	400	152	77	36	25	13	33
	30-34	1811	3	95	767	576	202	73	35	22	17	6	15
	35-39	350	5	15	119	111	49	15	13	13	5	1	4
	40-44	63	1	2	15	16	12	5	6	3	1	2	-
	45+	6	1	-	1	2	-	1	-	1	-	-	-
INDIAN	01-14	4	-	-	-	-	-	1	-	1	1	1	-
	15-19	391	22	6	57	65	56	60	35	39	19	14	18
	20-24	568	40	19	127	93	68	57	43	42	37	19	23
	25-29	376	27	19	87	61	51	33	24	28	19	15	12
	30-34	189	10	6	43	35	30	14	15	12	4	7	13
	35-39	67	6	1	20	8	6	6	9	4	2	2	3
	40-44	16	1	1	3	1	1	4	1	3	1	-	-
OTHER	15-19	11	-	-	2	4	4	1	-	-	-	-	-
	20-24	37	-	2	11	9	8	4	-	1	2	-	-
	25-29	45	-	4	12	15	10	-	2	2	-	-	-
	30-34	21	-	-	8	5	4	1	2	-	-	1	-
	35-39	5	-	1	2	1	-	1	-	-	-	-	-
	40-44	2	-	-	1	-	1	-	-	-	-	-	-
	45+	1	-	-	1	-	-	-	-	-	-	-	-

Occurrence of Births

In 1982, there were more births to South Dakota residents than there were births occurring in South Dakota. In 1982, 6% of South Dakota resident births occurred outside of South Dakota. The State's in which the majority of these births occurred were: North Dakota, Minnesota, Nebraska, and Iowa.

Five percent (5.2%) of the births occurring in South Dakota were to out-of-state residents --- primarily residents of Nebraska, Canada and Minnesota.

TABLE 15

BIRTHS BY STATE OF OCCURRENCE AND STATE OF MOTHERS RESIDENCE, 1982

STATE	BIRTHS IN SOUTH DAKOTA BY MOTHERS RESIDENT STATE					RESIDENT BIRTHS BY STATE OF OCCURRENCE				
	TOTAL	WHITE	INDIAN	OTHER	UNKNOWN	TOTAL	WHITE	INDIAN	OTHER	UNKNOWN
TOTAL	12,722	11,114	1,483	118	7	12,839	11,089	1,623	120	7
ARKANSAS	-	-	-	-	-	1	1	-	-	-
CALIFORNIA	3	3	-	-	-	1	1	-	-	-
COLORADO	-	-	-	-	-	19	17	1	1	-
FLORIDA	1	1	-	-	-	1	-	-	1	-
ILLINOIS	1	1	-	-	-	1	1	-	-	-
IOWA	91	90	1	-	-	132	129	3	-	-
KANSAS	-	-	-	-	-	1	1	-	-	-
MINNESOTA	109	104	5	-	-	207	191	15	1	-
MISSOURI	-	-	-	-	-	1	1	-	-	-
MONTANA	23	23	-	-	-	1	-	1	-	-
NEBRASKA	252	218	33	1	-	151	77	74	-	-
NEW JERSEY	-	-	-	-	-	1	1	-	-	-
NEW YORK	-	-	-	-	-	1	1	-	-	-
NORTH DAKOTA	64	61	2	1	-	250	158	92	-	-
OREGON	1	-	1	-	-	-	-	-	-	-
PENNSYLVANIA	1	1	-	-	-	-	-	-	-	-
SOUTH DAKOTA	12,058	10,499	1,436	116	7	12,058	10,499	1,436	116	7
TEXAS	2	2	-	-	-	6	5	-	1	-
UTAH	-	-	-	-	-	1	-	1	-	-
WISCONSIN	-	-	-	-	-	1	1	-	-	-
WYOMING	115	111	4	-	-	5	5	-	-	-
CANADA	1	-	1	-	-	-	-	-	-	-

MORTALITY

MORTALITY

In 1982, a total of 6,588 South Dakota residents died. The crude death rate for South Dakota was 9.5 compared to 9.8 in 1970.

The leading cause of death in South Dakota continued to be heart disease in 1982 which accounted for 2,696 or 40.9 percent of all deaths. The ranking of the three most frequent causes of death -- heart disease, malignant neoplasms (cancer), and cerebrovascular disease -- has remained the same since 1940 for the total population. Together, these three causes of death accounted for 68.8 percent of the deaths in 1982. Leading causes of death vary significantly according to race and age group.

The five leading causes of death for the white population in descending rank order for 1982 were heart disease, malignant neoplasms, cerebrovascular disease, accidents and pneumonia/influenza. For the Indian population in 1982 in descending rank order the leading causes of death were heart disease, accidents, malignant neoplasms, chronic liver disease/cirrhosis, and cerebrovascular disease.

Leading causes of death also vary over time according to age group. In order to analyze patterns and change over time, leading causes of death were examined and compared for 1960 and 1982 for age groups 1-4, 5-14, 15-19, 20-24, 25-34, 35-44, 45-64, 65-69, 70-74, 75+. (The analysis for the age groups 65 and over is included in the population section, page 13).

For children four years of age and under the leading cause of death in 1982 was accidents (40.6 percent of all deaths for this age group). The leading cause of death in 1960 for this age group was also accidents (38.0 percent).

For children in the age group 5 through 14 years, the leading causes of death in 1960 were accidents (62.0 percent), malignant neoplasms (15.5 percent) and congenital anomalies (8.5 percent). For children ages 5-14 accidents accounted for 52 percent, malignant neoplasms for 13.9 percent and congenital anomalies for 8.3 percent of all deaths in 1982.

The leading causes of death for age group 15 through 24 years in 1960 were accidents (62.9 percent, malignant neoplasms (4.7 percent), and suicide (4.7 percent) compared to accidents (58.5 percent), suicide (16.8 percent) and homicide/legal intervention (8.4 percent) for 1982. Approximately 66.7 percent of deaths for persons 15-24 years of age were from violent forms of death (accidents and suicides) in 1960. In 1982 violent forms of death (accidents, suicides, and homicide/legal intervention) accounted for 83.7 percent of all deaths for this age group, an increase of almost 40 percent.

Accidents remained the leading cause of death for age groups 25-34 in 1960. The second leading cause of death was malignant neoplasms (14.1 percent) followed by heart disease (11.1 percent). Deaths for this age group in 1982 did not follow the same pattern. Although accidents were the leading cause of death for ages 25-34 in 1982, accidents represented only 39.8 percent of all deaths. The second leading cause of death was suicide (14.6 percent) followed by malignant neoplasms and disease of the heart (7.3 percent).

For the age group 35 to 44 the leading causes of death were heart disease (33.3 percent), accidents (28.7 percent), and malignant neoplasms (27.3 percent) in 1962. In 1982, for the same age group, the leading causes of death were accidents (27.0 percent), malignant neoplasms (22.2 percent), and heart disease (15.1 percent).

Heart disease accounted for 51.2 percent of deaths for persons 45-64 years of age in 1960, malignant neoplasms for 29.7 percent and accidents for 8.1 percent. In 1982, heart disese accounted for 33.2 percent of all deaths, malignant neoplasms for 31.5 percent and accidents for 7.3 percent.

The number of deaths from malignant neoplasms rose slightly in 1982; there were 1,271 in 1982 deaths compared to 1,254 in 1981. Over one-half of these deaths in 1982 were due to malignant neoplasm of the trachea, bronchus, and lung (19.8 percent), colon (12.4 percent), female breast (8.9 percent), prostrate (6.7 percent), and pancreas (6.4 percent). The 1982 death rate for malignant neoplasms (184.0 per 100,000 population) was slightly higher than the 1981 rate of 181.5 per 100,000 population.

The bar chart on pages 71 to 73 show the South Dakota resident deaths from malignant neoplasms in 1982. The highest rates were in McCook, Kingsbury, Jones and Campbell counties. The lowest rates were in Stanley, Meade, Ziebach, and Shannon counties. (See Figure 16, page 74).

Of the deaths due to injury in South Dakota in 1982, the site of the majority occurred in a vehicle or pedestrian accident (street) (33.3 percent), followed by the home (32.1 percent) and the farm (10.7 percent). (See Figure 18, page 78).

For deaths due to external casues of injury, the highest category was accidents, 62.2 percent of which were motor vehicle accidents. The next highest number of deaths in this category was suicides (18.8 percent) followed by falls (10.5 percent).

TABLE 16

LEADING CAUSES OF DEATH
SOUTH DAKOTA RESIDENTS, 1982

CAUSE		ALL RACES				WHITE				INDIAN			
		RANK	DEATHS	%	RATE	RANK	NUMBER	%	RATE	RANK	NUMBER	%	RATE
TOTAL ALL CAUSES		-	6588	-	-	-	6156	-	-	-	425	-	-
390-398, 402, 404-429	DISEASES OF THE HEART	1	2696	40.9	390.3	1	2606	42.3	407.4	1	89	20.9	198.0
140-208	MALIGNANT NEOPLASMS	2	1271	19.3	184.0	2	1230	20.0	192.3	3	40	9.4	89.0
430-438	CEREBROVASCULAR DISEASE	3	566	8.6	81.9	3	548	8.9	85.7	5	18	4.2	40.0
E800-E949	ACCIDENTS	4	360	5.5	52.1	4	285	4.6	44.6	2	74	17.4	164.6
480-487	PNEUMONIA AND INFLUENZA	5	221	3.4	32.0	6	207	3.4	32.4	8	14	3.3	31.1
490-496	CHRONIC OBSTRUCTIVE PULMONARY DISEASES	5	221	3.4	32.0	5	213	3.5	33.3	12	7	1.6	15.6
E950-E959	SUICIDE	6	95	1.4	13.8	8	85	1.4	13.3	9	10	2.4	22.2
440	ATHEROSCLEROSIS	7	93	1.4	13.5	7	92	1.5	14.4	-	1	-	-
250	DIABETES MELLITUS	8	86	1.3	12.4	9	72	1.2	11.3	8	14	3.3	31.1
580-589	NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS	9	71	1.1	10.3	10	62	1.0	9.7	10	9	2.1	20.0
760-779	CONDITIONS ORIGINATING IN PERINATAL PERIOD	10	66	1.0	9.6	-	50	0.8	7.8	6	16	3.8	35.6
571	CHRONIC LIVER DISEASE AND CIRRHOSIS	-	53	-	7.7	-	33	0.5	5.2	4	20	4.7	44.5
E960-E969	HOMICIDE AND LEGAL INTERVENTION	-	31	-	4.5	-	16	0.3	2.5	7	15	3.5	33.4
	ALL OTHER CAUSES	-	758	11.5	-	-	657	10.7	-	-	98	23.1	-

Does not include deaths of other races.

Rate is per 100,000 population.

Percent is the percentage of deaths for each cause from the total number of deaths

FIGURE 12

TEN LEADING CAUSES OF DEATH
by Race, South Dakota, 1982
(Per 1,000 Population, 1980 Census)

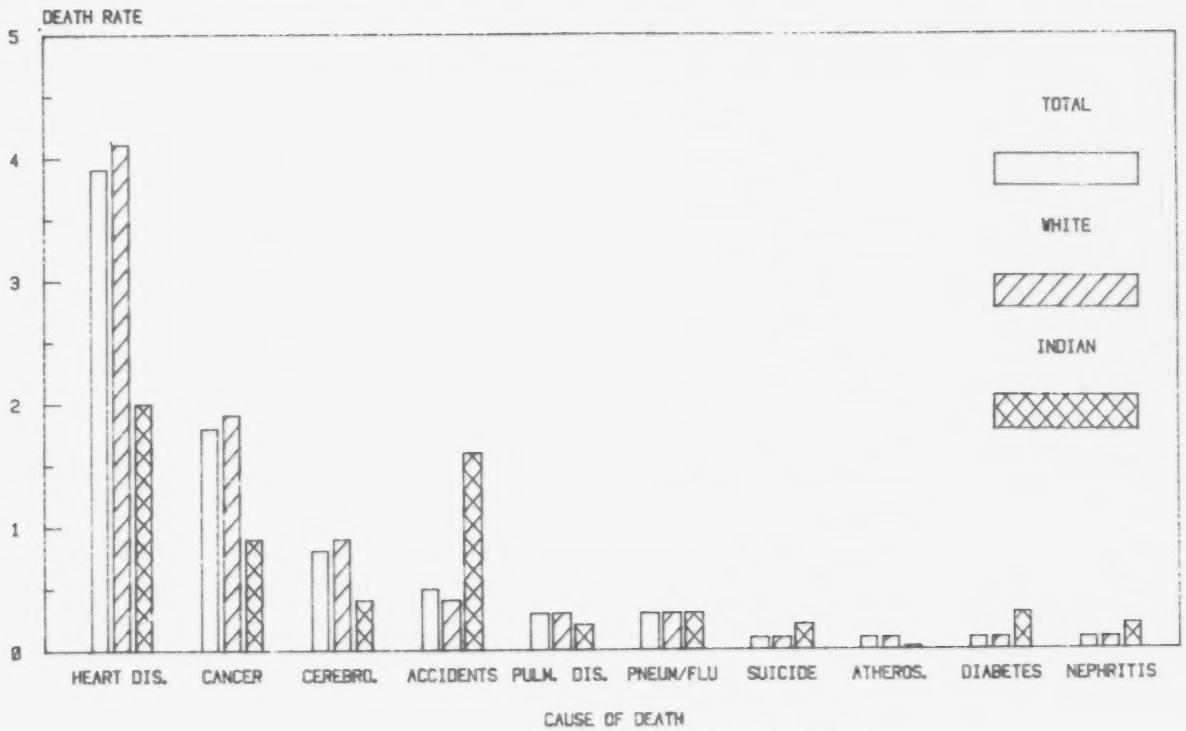
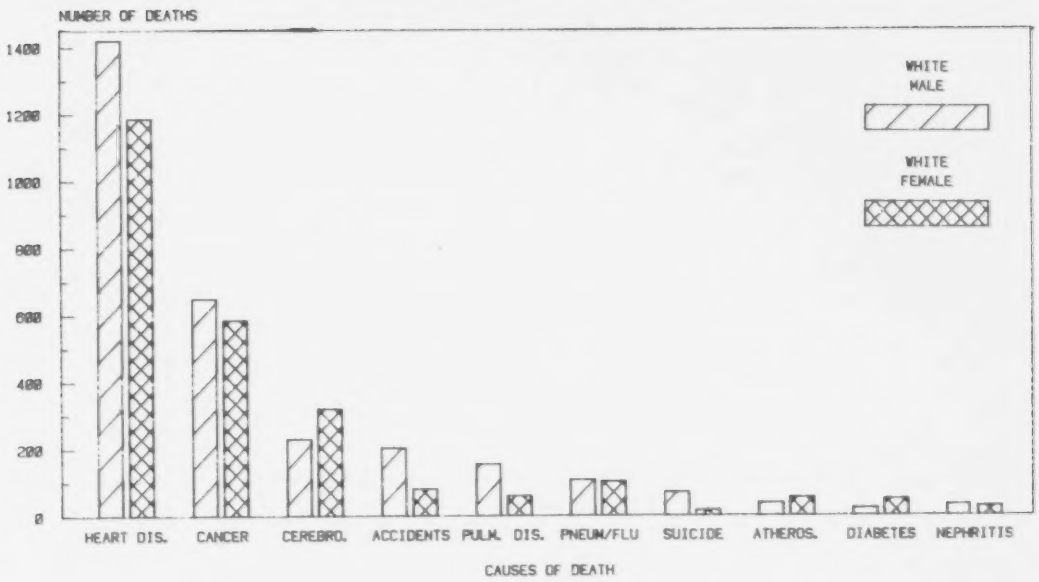


FIGURE 13
TEN LEADING CAUSES OF DEATH
By Race and Sex, 1982

WHITE POPULATION MORTALITY



INDIAN POPULATION MORTALITY

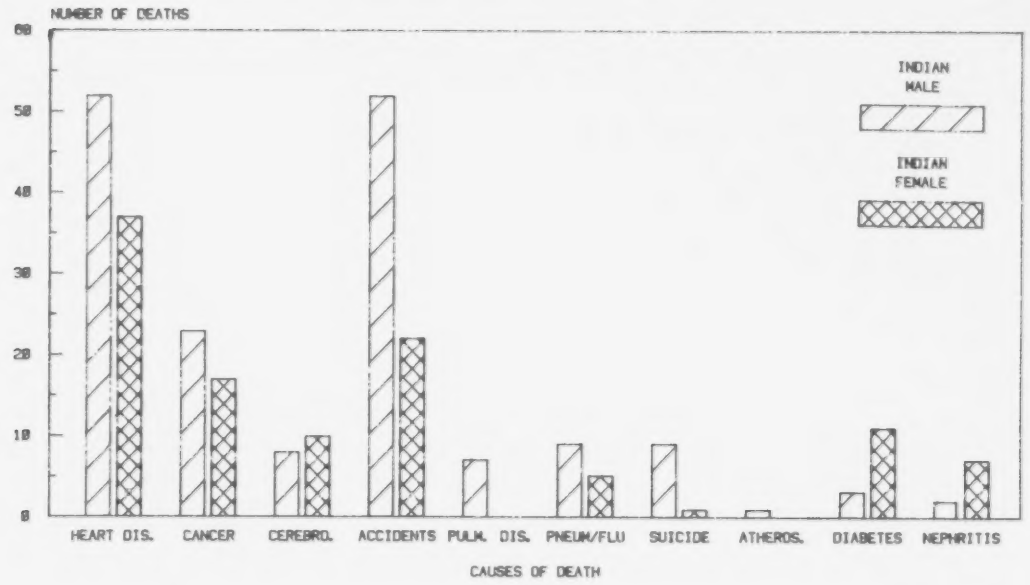


TABLE 17

DEATHS BY COUNTY OF RESIDENCE AND OCCURRENCE BY RACE
SOUTH DAKOTA, 1982

	DEATHS BY RESIDENT COUNTY				DEATHS BY COUNTY OF OCCURRENCE			
	TOTAL	WHITE	INDIAN	OTHER	TOTAL	WHITE	INDIAN	OTHER
SOUTH DAKOTA	6588	6156	425	7	6528	6137	387	4
AURORA	31	31	-	-	17	17	-	-
BEADLE	208	208	-	-	211	211	-	-
BENNETT	25	18	7	-	14	8	6	-
BON HOMME	97	96	1	-	89	89	-	-
BROOKINGS	165	164	-	1	128	128	-	-
BROWN	301	298	3	-	386	384	2	-
BRULE	55	52	3	-	61	50	11	-
BUFFALO	13	3	10	-	5	1	4	-
BUTTE	101	101	-	-	88	88	-	-
CAMPBELL	25	25	-	-	7	7	-	-
CHARLES MIX	128	104	24	-	116	94	22	-
CLARK	60	60	-	-	23	23	-	-
CLAY	100	99	1	-	78	78	-	-
CODINGTON	210	210	-	-	260	258	2	-
CORSON	63	30	33	-	18	6	12	-
CUSTER	59	58	1	-	43	42	1	-
DAVISON	180	180	-	-	215	214	1	-
DAY	108	102	6	-	75	72	3	-
DEUEL	64	64	-	-	58	58	-	-
DEWEY	44	14	30	-	26	4	22	-
DOUGLAS	41	41	-	-	29	29	-	-
EDMUNDS	59	59	-	-	45	45	-	-
FALL RIVER	134	124	9	1	148	130	18	-
FAULK	49	49	-	-	37	36	1	-
GRANT	96	96	-	-	65	65	-	-
GREGORY	73	68	5	-	74	68	6	-
HAAKON	22	21	1	-	14	13	1	-
HAMLIN	87	87	-	-	46	46	-	-
HAND	48	48	-	-	46	46	-	-
HANSON	25	25	-	-	6	6	-	-
HARDING	13	13	-	-	5	5	-	-
HUGHES	111	98	13	-	135	117	18	-
HUTCHINSON	116	116	-	-	133	133	-	-
HYDE	19	19	-	-	9	9	-	-
JACKSON	25	16	9	-	22	18	4	-
JERAULD	40	40	-	-	39	37	2	-
JONES	13	13	-	-	1	1	-	-
KINGSBURY	121	120	-	1	103	103	-	-
LAKE	109	109	-	-	88	88	-	-
LAWRENCE	173	172	1	-	149	148	1	-
LINCOLN	144	144	-	-	92	92	-	-
LYMAN	40	30	10	-	7	3	4	-
McCOOK	95	95	-	-	43	43	-	-
McPHERSON	56	56	-	-	46	46	-	-
MARSHALL	75	71	4	-	51	50	1	-
MEADE	115	114	1	-	183	172	11	-
MELLETTE	29	16	13	-	16	11	5	-
MINER	42	42	-	-	10	10	-	-
MINNEHAHA	849	842	5	2	1390	1378	10	2
MOODY	79	77	2	-	59	58	1	-
PENNINGTON	549	506	41	2	617	556	59	2
PERKINS	30	30	-	-	26	26	-	-
POTTER	41	41	-	-	33	33	-	-
ROBERTS	130	115	15	-	98	81	17	-
SANBORN	37	37	-	-	11	11	-	-
SHANNON	94	3	91	-	63	2	61	-
SPINK	95	94	1	-	57	56	1	-
STANLEY	11	11	-	-	4	4	-	-
SULLY	19	19	-	-	7	6	1	-
TODD	68	15	53	-	46	7	39	-
TRIPP	74	65	9	-	54	47	7	-
TURNER	138	138	-	-	108	108	-	-
UNION	109	109	-	-	43	43	-	-
WALWORTH	80	69	11	-	103	83	20	-
YANKTON	164	162	2	-	241	232	9	-
ZIEBACH	14	4	10	-	8	4	4	-

TABLE 18

RESIDENT DEATHS BY CAUSE, BY AGE GROUP
SOUTH DAKOTA 1982

ICD NO. 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	Under 1	1-4	5-14	15-19	20-24	25-34	35-44	45-64	65-69	70-74	75 +
	ALL CAUSES	6588	131	32	36	57	74	126	123	1062	591	775	3581
001-139	INFECTIOUS AND PARASITIC DISEASES	52	5	2	1	-	1	1	-	7	5	5	25
001-009	INTESTINAL INFECTIOUS DISEASES	4	2	2	-	-	-	-	-	-	-	-	-
008	INTESTINAL INFECTIONS DUE TO OTHER ORGANISMS	1	-	1	-	-	-	-	-	-	-	-	-
009	ILL DEFINED INTESTINAL INFECTIONS	3	2	1	-	-	-	-	-	-	-	-	-
010-018	TUBERCULOSIS	3	-	-	-	-	-	-	-	1	-	-	2
011	PULMONARY TUBERCULOSIS	2	-	-	-	-	-	-	-	1	-	-	1
015	TUBERCULOSIS OF BONES AND JOINTS	-	-	-	-	-	-	-	-	-	-	-	-
017	TUBERCULOSIS OF OTHER ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
018	MILIARY TUBERCULOSIS	1	-	-	-	-	-	-	-	-	-	-	1
030-041	OTHER BACTERIAL DISEASES	31	2	-	-	-	-	1	-	2	4	2	20
036	MENINGOCOCCAL INFECTION	2	2	-	-	-	-	-	-	-	-	-	-
038	SEPTICEMIA	26	-	-	-	-	-	1	-	1	4	1	19
040	OTHER BACTERIAL DISEASES	1	-	-	-	-	-	-	-	-	-	1	-
041	BACTERIAL INFECTION IN CONDITIONS CLASSIFIED ELSEWHERE AND OF UNSPECIFIED SITE	2	-	-	-	-	-	-	-	1	-	-	1
045-049	POLIOMYELITIS AND OTHER NON-ARTHROPOD-BORNE VIRAL DISEASE OF CENTRAL NERVOUS SYSTEM	1	1	-	-	-	-	-	-	-	-	-	-
047	MENINGITIS DUE TO ENTEROVIRUS	1	1	-	-	-	-	-	-	-	-	-	-
049	OTHER NON-ARTHROPOD-BORNE VIRAL DISEASE OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
050-057	VIRAL DISEASES ACCOMPANIED BY EXANTHEM	4	-	-	-	-	-	-	-	-	-	1	3
053	HERPES ZOSTER	2	-	-	-	-	-	-	-	-	-	-	2
054	HERPES SIMPLEX	2	-	-	-	-	-	-	-	-	-	1	1
070-079	OTHER DISEASES DUE TO VIRUSES AND CHLAMYDIAE	4	-	-	1	-	-	-	-	2	1	-	-
070	VIRAL HEPATITIS	1	-	-	-	-	-	-	-	1	-	-	-
074	SPECIFIC DISEASES DUE TO COXSACKIE VIRUS	-	-	-	-	-	-	-	-	-	-	-	-
075	INFECTIOUS MONONUCLEOSIS	1	-	-	1	-	-	-	-	-	-	-	-
079	VIRAL INFECTION IN CONDITIONS CLASSIFIED ELSEWHERE AND OF UNSPECIFIED SITE	2	-	-	-	-	-	-	-	1	1	-	-
110-118	MYCOSES	3	-	-	-	-	1	-	-	1	-	1	-
112	CANDIDIASIS	1	-	-	-	-	1	-	-	-	-	-	-
117	OTHER MYCOSES	2	-	-	-	-	-	-	-	1	-	1	-
137-139	LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES	2	-	-	-	-	-	-	-	1	-	1	-
137	LATE EFFECTS OF TUBERCULOSIS	1	-	-	-	-	-	-	-	-	-	1	-
138	LATE EFFECTS OF ACUTE POLIOMYELITIS	1	-	-	-	-	-	-	-	1	-	-	-
140-239	NEOPLASMS	1290	-	1	5	3	3	9	28	340	171	196	534
140-149	MALIGNANT NEOPLASM OF LIP, ORAL CAVITY AND PHARYNX	23	-	-	-	-	-	-	-	4	4	3	12
140	LIP	-	-	-	-	-	-	-	-	-	-	-	-
141	TONGUE	3	-	-	-	-	-	-	-	1	1	-	1
142	MAJOR SALIVARY GLANDS	6	-	-	-	-	-	-	-	1	2	1	2
144	FLOOR OF MOUTH	2	-	-	-	-	-	-	-	-	1	-	1
145	OTHER AND UNSPECIFIED PARTS OF MOUTH	4	-	-	-	-	-	-	-	1	-	-	3
146	OROPHARYNX	-	-	-	-	-	-	-	-	-	-	-	-
147	NASOPHARYNX	3	-	-	-	-	-	-	-	-	-	1	2
148	HYPOPHARYNX	1	-	-	-	-	-	-	-	1	-	-	-
149	OTHER AND ILL-DEFINED SITES WITHIN THE LIP, ORAL ENVITY AND PHARYNX	4	-	-	-	-	-	-	-	-	-	1	3

TABLE 18 (continued)

RESIDENT DEATHS BY CAUSE, BY AGE GROUP
SOUTH DAKOTA 1982

ICD NO. 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	Under 1	1-4	5-14	15-19	20-24	25-34	35-44	45-64	65-69	70-74	75 +
150-159	MALIGNANT NEOPLASM OF DIGESTIVE ORGANS AND PERITONEUM	383	-	-	-	-	-	-	2	87	57	67	170
150	OESOPHAGUS	15	-	-	-	-	-	-	-	6	3	1	5
151	STOMACH	51	-	-	-	-	-	-	-	8	13	11	19
152	SMALL INTESTINE, INCLUDING DUODENUM	2	-	-	-	-	-	-	-	-	-	-	2
153	COLON	157	-	-	-	-	-	-	1	39	15	32	70
154	RECTUM, RECTOSIGMOID JUNCTION AND ANUS	29	-	-	-	-	-	-	1	2	7	6	13
155	LIVER AND INTRAHEPATIC BILE DUCTS	12	-	-	-	-	-	-	-	3	1	2	6
156	GALL BLADDER AND EXTRAHEPATIC BILE DUCTS	19	-	-	-	-	-	-	-	5	5	1	8
157	PANCREAS	81	-	-	-	-	-	-	-	23	10	12	36
158	RETROPERITONEUM AND PERITONEUM	1	-	-	-	-	-	-	-	-	-	-	1
159	OTHER AND ILL-DEFINED SITES WITHIN THE DIGESTIVE ORGANS AND PERITONEUM	16	-	-	-	-	-	-	-	1	3	2	10
160-165	MALIGNANT NEOPLASM OF RESPIRATORY AND INTRATHORACIC ORGANS	259	-	-	-	-	-	-	6	99	41	46	67
160	NASAL CAVITIES, MIDDLE EAR AND ACCESSORY SINUSES	-	-	-	-	-	-	-	-	-	-	-	-
161	LARYNX	5	-	-	-	-	-	-	-	3	1	1	-
162	TRACHEA, BRONCHUS AND LUNG	252	-	-	-	-	-	-	5	96	40	45	66
163	PLEURA	1	-	-	-	-	-	-	-	-	-	-	1
164	THYMUS, HEART AND MEDIASTINUM	1	-	-	-	-	-	-	1	-	-	-	-
170-175	MALIGNANT NEOPLASM OF BONE, CONNECTIVE TISSUE, SKIN AND BREAST	134	-	-	1	2	-	-	11	47	15	11	47
170	BONE AND ARTICULAR CARTILAGE	2	-	-	-	1	-	-	-	-	1	-	-
171	CONNECTIVE AND OTHER SOFT TISSUE	5	-	-	1	1	-	-	-	1	1	-	1
172	MELANOMA OF SKIN	12	-	-	-	-	-	-	-	6	2	-	4
173	OTHER NEOPLASM OF SKIN	2	-	-	-	-	-	-	1	-	-	-	1
174	FEMALE BREAST	113	-	-	-	-	-	-	10	40	11	11	41
179-189	MALIGNANT NEOPLASM OF GENITOURINARY ORGANS	219	-	-	2	-	-	3	4	42	21	30	117
179	UTERUS, PART UNSPECIFIED	8	-	-	-	-	-	-	1	1	2	1	3
180	CERVIX UTERI	9	-	-	-	-	-	-	1	4	3	-	1
182	BODY OF UTERUS	13	-	-	-	-	-	-	-	6	2	1	4
183	OVARY AND OTHER UTERINE ADNEXA	29	-	-	-	-	-	2	2	8	5	4	8
184	OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	5	-	-	-	-	-	-	-	-	1	-	4
185	PROSTATE	85	-	-	-	-	-	-	-	7	6	18	54
186	TESTIS	1	-	-	-	-	-	1	-	-	-	-	-
187	PENIS AND OTHER MALE GENITAL ORGANS	1	-	-	-	-	-	-	-	1	-	-	-
188	BLADDER	31	-	-	-	-	-	-	-	4	1	3	23
189	KIDNEY AND OTHER AND UNSPECIFIED URINARY ORGANS	37	-	-	2	-	-	-	-	11	1	3	20
190-199	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED SITES	120	-	1	1	-	1	4	4	32	15	13	49
190	KIDNEY AND OTHER UNSPECIFIED URINARY ORGANS	2	-	-	-	-	-	-	-	-	-	1	1
191	BRAIN	29	-	-	1	-	1	4	3	10	4	1	5
192	OTHER AND UNSPECIFIED PARTS OF NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
193	THYROID GLAND	6	-	-	-	-	-	-	-	2	1	1	2
194	ENDOCRINE GLANDS AND RELATED STRUCTURES	2	-	1	-	-	-	-	1	-	-	-	-
195	OTHER AND ILL DEFINED SITES	13	-	-	-	-	-	-	-	-	5	-	8
199	WITHOUT SPECIFIED SITE	68	-	-	-	-	-	-	-	20	5	10	33
200-208	MALIGNANT NEOPLASM OF LYMPHATIC AND HAEMATOPOIETIC TISSUE	133	-	-	1	1	2	2	1	23	16	24	63
200	LYMPHOSARCOMA AND RETICULOSARCOMA	9	-	-	-	-	1	-	-	2	3	-	3
201	HODGKIN'S DISEASE	5	-	-	-	-	1	1	-	2	-	-	1
202	OTHER LYMPOID AND HISTIOCYTIC TISSUE	36	-	-	1	1	-	-	1	5	4	9	15
203	MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE	29	-	-	-	-	-	-	-	7	5	6	11
204	LYMPHOID LEUKAEMIA	20	-	-	-	-	-	-	-	4	1	2	13

TABLE 18 (continued)

RESIDENT DEATHS BY CAUSE, BY AGE GROUP
SOUTH DAKOTA 1982

ICD NO. 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	Under 1	1-4	5-14	15-19	20-24	25-34	35-44	45-64	65-69	70-74	75 +
205	MYELOID LEUKAEMIA	19	-	-	-	-	-	-	-	2	2	2	13
206	MONOCYTIC LEUKAEMIA	1	-	-	-	-	-	-	-	-	-	1	-
207	OTHER SPECIFIED LEUKAEMIA	1	-	-	-	-	-	-	-	-	-	1	-
208	LEUKAEMIA OF UNSPECIFIED CELL TYPE	13	-	-	-	-	-	1	-	1	1	3	7
210-229	BENIGN NEOPLASMS	2	-	-	-	-	-	-	-	-	-	-	2
216	SKIN	-	-	-	-	-	-	-	-	-	-	-	-
225	BRAIN AND OTHER PARTS OF NERVOUS SYSTEM	1	-	-	-	-	-	-	-	-	-	-	1
227	OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	1	-	-	-	-	-	-	-	-	-	-	1
235-239	NEOPLASMS OF UNCERTAIN BEHAVIOUR	17	-	-	-	-	-	-	-	6	2	2	7
235	DIGESTIVE AND RESPIRATORY SYSTEMS	1	-	-	-	-	-	-	-	-	-	-	1
237	ENDOCRINE GLANDS AND NERVOUS SYSTEM	2	-	-	-	-	-	-	-	2	-	-	-
238	OTHER AND UNSPECIFIED SITES AND TISSUE	2	-	-	-	-	-	-	-	1	-	-	1
239	NEOPLASMS OF UNSPECIFIED NATURE	12	-	-	-	-	-	-	-	3	2	2	5
240-279	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES AND IMMUNITY DISORDERS	115	1	-	-	-	1	1	1	15	15	12	69
240-246	DISORDERS OF THYROID GLAND	1	-	-	-	-	-	-	-	1	-	-	-
242	THYROTOXIEOSIS WITH OR WITHOUT GOITRE	1	-	-	-	-	-	-	-	1	-	-	-
244	ACQUIRED HYPOTHYROIDISM	-	-	-	-	-	-	-	-	-	-	-	-
250-259	DISEASES OF OTHER ENDOCRINE GLANDS	87	-	-	-	-	-	1	1	14	13	12	46
250	DIABETES MELLITUS	86	-	-	-	-	-	1	1	14	13	11	46
255	DISORDERS OF ADRENAL GLANDS	1	-	-	-	-	-	-	-	-	-	1	-
260-269	NUTRITIONAL DEFICIENCIES	9	-	-	-	-	-	-	-	-	-	-	9
261	NUTRITIONAL MARASMUS	-	-	-	-	-	-	-	-	-	-	-	-
263	OTHER AND UNSPECIFIED PROTEIN-CALORIE MALNUTRITION	8	-	-	-	-	-	-	-	-	-	-	8
269	OTHER NUTRITIONAL DEFICIENCIES	1	-	-	-	-	-	-	-	-	-	-	1
270-279	OTHER METABOLIC DISORDERS AND IMMUNITY DISORDERS	18	1	-	-	-	1	-	-	-	2	-	14
272	LIPOID METABOLISM	-	-	-	-	-	-	-	-	-	-	-	-
273	PLASMA PROTEIN METABOLISM	1	-	-	-	-	-	-	-	-	-	-	1
274	GOUT	1	-	-	-	-	-	-	-	-	-	-	1
276	FLUID, ELECTROLYTE AND ACID-BASE BALANCE	9	1	-	-	-	-	-	-	-	1	-	7
277	UNSPECIFIED DISORDERS OF METABOLISM	6	-	-	-	-	1	-	-	-	-	-	5
278	OBESITY AND OTHER HYPERALIMENTATION	1	-	-	-	-	-	-	-	-	1	-	-
280-289	DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS	26	-	1	-	2	-	-	-	-	2	3	18
281	OTHER DEFICIENCY ANAEMIAS	2	-	-	-	-	-	-	-	-	-	-	2
282	HEREDITARY HAEMOLYTIC ANAEMIAS	1	-	-	-	-	-	-	-	-	-	1	-
283	ACQUIRED HAEMOLYTIC ANAEMIAS	2	-	1	-	-	-	-	-	-	-	-	1
284	APLASTIC ANAEMIA	7	-	-	-	2	-	-	-	-	1	-	4
285	OTHER AND UNSPECIFIED ANAEMIAS	5	-	-	-	-	-	-	-	-	-	1	4
286	COAGULATION DEFECTS	-	-	-	-	-	-	-	-	-	-	-	-
287	PURPURA AND OTHER HAEMORRHAGIC CONDITIONS	3	-	-	-	-	-	-	-	-	-	1	2
288	DISEASES OF WHITE BLOOD CELLS	3	-	-	-	-	-	-	-	-	1	-	2
289	OTHER DISEASES OF BLOOD AND BLOOD FORMING ORGANS	3	-	-	-	-	-	-	-	-	-	-	3
290-319	MENTAL DISORDERS	47	-	-	1	-	-	3	1	11	2	4	25
290-294	ORGANIC PSYCHOTIC CONDITIONS	10	-	-	-	-	-	2	-	-	-	1	7
290	SENILE AND PRESENILE ORGANIC PSYCHOTIC CONDITIONS	7	-	-	-	-	-	-	-	-	-	-	7
291	ALCOHOLIC PSYCHOSES	3	-	-	-	-	-	2	-	-	-	1	-

TABLE 18 (continued)

RESIDENT DEATHS BY CAUSE, BY AGE GROUP
SOUTH DAKOTA 1982

ICD NO. 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	Under 1	1-4	5-14	15-19	20-24	25-34	35-44	45-64	65-69	70-74	75 +
295-299	OTHER PSYCHOSES	5	-	-	-	-	-	-	-	-	-	1	4
295	SCHIZOPHRENIC PSYCHOSIS	3	-	-	-	-	-	-	-	-	-	1	2
298	OTHER NONORGANIC PSYCHOSES	2	-	-	-	-	-	-	-	-	-	-	2
300-316	NEUROTIC DISORDERS, PERSONALITY DISORDERS AND OTHER NONPSYCHOTIC MENTAL DISORDERS	31	-	-	-	-	-	1	1	11	2	2	14
300	NEUROTIC DISORDERS	1	-	-	-	-	-	1	-	-	-	-	-
303	ALCOHOL DEPENDENCE SYNDROME	9	-	-	-	-	-	-	1	6	1	-	1
305	NONDEPENDENT ABUSE OF DRUGS	3	-	-	-	-	-	-	-	2	1	-	-
307	SPECIAL SYMPTOMS OR SYNDROMES NOT ELSEWHERE CLASSIFIED	2	-	-	-	-	-	-	-	1	-	-	1
310	SPECIFIC NONPSYCHOTIC MENTAL DISORDERS FOLLOWING ORGANIC BRAIN DAMAGE	14	-	-	-	-	-	-	-	2	-	2	10
311	DEPRESSIVE DISORDERS, NOT ELSEWHERE CLASSIFIED	2	-	-	-	-	-	-	-	-	-	-	2
317-319	MENTAL RETARDATION	1	-	-	1	-	-	-	-	-	-	-	-
319	UNSPECIFIED MENTAL RETARDATION	1	-	-	1	-	-	-	-	-	-	-	-
320-389	DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	76	4	3	2	3	-	3	3	16	7	6	29
320-326	INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM	45	3	3	2	-	-	-	1	6	5	5	20
320	BACTERIAL MENINGITIS	2	1	-	-	-	-	-	-	1	-	-	-
322	MENINGITIS OF UNSPECIFIED CAUSE	6	2	1	-	-	-	-	1	1	1	-	-
323	ENCEPHALITIS, MYELITIS AND ENCEPHALOMYELITIS	2	-	1	-	-	-	-	-	-	1	-	-
330-337	HEREDITARY AND DEGENERATIVE DISEASES OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
330	CEREBRAL DEGENERATIONS USUALLY MANIFEST IN CHILDHOOD	1	-	-	1	-	-	-	-	-	-	-	-
331	OTHER CEREBRAL DEGENERATIONS	12	-	1	1	-	-	-	-	2	1	2	5
332	PARKINSON'S DISEASE	15	-	-	-	-	-	-	-	-	1	2	12
333	OTHER EXTRA PYRAMIDAL DISEASE AND ABNORMAL MOVEMENT DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
334	SPINOCEREBELLA DISEASE	1	-	-	-	-	-	-	-	1	-	-	-
335	ANTERIOR HORN CELL DISEASE	6	-	-	-	-	-	-	-	1	1	1	3
336	OTHER DISEASE OF SPINAL CORD	-	-	-	-	-	-	-	-	-	-	-	-
340-349	OTHER DISORDERS OF THE CENTRAL NERVOUS SYSTEM	25	-	-	-	1	-	3	2	9	2	-	8
340	MULTIPLE SCLEROSIS	8	-	-	-	-	-	-	1	6	1	-	-
341	OTHER DEMYELINATING DISEASES OF CENTRAL NERVOUS SYSTEM	4	-	-	-	-	-	-	1	-	-	-	3
342	HEMIPLEGIA	-	-	-	-	-	-	-	-	-	-	-	-
343	INFANTILE CEREBRAL PALSY	-	-	-	-	-	-	-	-	-	-	-	-
344	OTHER PARALYTIC SYNDROMES	2	-	-	-	-	-	1	-	1	-	-	-
345	EPILEPSY	3	-	-	-	1	-	1	-	1	-	-	-
348	OTHER CONDITIONS OF BRAIN	8	-	-	-	-	-	1	-	1	1	-	5
350-359	DISORDERS OF THE PERIPHERAL NERVOUS SYSTEM	5	1	-	-	2	-	-	-	1	-	1	-
357	INFLAMMATORY AND TOXIC NEUROPATHY	1	-	-	-	-	-	-	-	-	-	1	-
358	MYONEURAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
359	MUSCULAR DYSTROPHIES AND OTHER MYOPATHIES	4	1	-	-	2	-	-	-	1	-	-	-
380-389	DISEASES OF THE EAR AND MASTOID PROCESS	1	-	-	-	-	-	-	-	-	-	-	1
382	SUPPURATIVE AND UNSPECIFIED OTITIS MEDIA	1	-	-	-	-	-	-	-	-	-	-	1
390-459	DISEASES OF THE CIRCULATORY SYSTEM	3448	5	1	1	2	3	12	22	420	281	425	2276
390-392	ACUTE RHEUMATIC FEVER	-	-	-	-	-	-	-	-	-	-	-	-
391	RHEUMATIC FEVER WITH HEART INVOLVEMENT	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 18 (continued)

RESIDENT DEATHS BY CAUSE, BY AGE GROUP
SOUTH DAKOTA 1982

ICD NO. 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	Under 1	1-4	5-14	15-19	20-24	25-34	35-44	45-64	65-69	70-74	75 +
393-398	CHRONIC RHEUMATIC HEART DISEASE	15	1	-	-	-	-	-	-	2	2	4	6
393	RHEUMATIC PERICARDITIS	-	-	-	-	-	-	-	-	-	-	-	-
394	DISEASES OF MITRAL VALVE	5	-	-	-	-	-	-	-	1	-	1	3
395	DISEASES OF AORTIC VALVE	-	-	-	-	-	-	-	-	-	-	-	-
396	DISEASES OF MITRAL AND AORTIC VALVES	1	-	-	-	-	-	-	-	-	-	-	1
397	DISEASES OF OTHER ENDOCARDIAL STRUCTURES	2	-	-	-	-	-	-	-	-	-	1	1
398	OTHER RHEUMATIC HEART DISEASE	7	1	-	-	-	-	-	-	1	2	2	1
401-405	HYPERTENSIVE DISEASE	70	-	-	-	-	-	-	-	9	2	7	52
401	ESSENTIAL HYPERTENSION	10	-	-	-	-	-	-	-	5	-	1	4
402	HYPERTENSIVE HEART DISEASE	36	-	-	-	-	-	-	-	2	1	3	30
403	HYPERTENSIVE RENAL DISEASE	11	-	-	-	-	-	-	-	1	1	2	7
404	HYPERTENSIVE HEART AND RENAL DISEASE	13	-	-	-	-	-	-	-	1	-	1	11
410-414	ISCHAEMIC HEART DISEASE	2016	-	-	-	-	-	5	13	280	193	279	1246
410	ACUTE MYOCARDIAL INFARCTION	1300	-	-	-	-	-	3	10	234	157	210	686
411	OTHER ACUTE AND SUBACUTE FORM	5	-	-	-	-	-	-	-	-	1	-	4
412	OLD MYOCARDIAL INFARCTION	2	-	-	-	-	-	-	-	-	-	-	2
413	ANGINA PECTORIS	1	-	-	-	-	-	-	-	-	-	-	1
414	OTHER FORMS OF CHRONIC ISCHAEMIC HEART DISEASE	708	-	-	-	-	-	2	3	46	35	69	553
415-417	DISEASES OF PULMONARY CIRCULATION	33	-	-	-	-	-	1	1	2	5	4	20
415	ACUTE PULMONARY HEART DISEASE	28	-	-	-	-	-	1	1	1	3	3	19
416	CHRONIC PULMONARY HEART DISEASE	4	-	-	-	-	-	-	-	1	1	1	1
417	OTHER DISEASES OF PULMONARY CIRCULATION	1	-	-	-	-	-	-	-	-	1	-	-
420-429	OTHER FORMS OF HEART DISEASE	583	3	-	1	2	3	3	5	66	47	56	397
421	ACUTE AND SUBACUTE ENDOCARDITIS	3	-	-	-	-	-	-	-	1	-	-	2
422	ACUTE MYOCARDITIS	1	-	-	-	-	-	1	-	-	-	-	-
423	OTHER DISEASES OF PERICARDIUM	1	-	-	-	-	-	-	-	-	-	-	1
424	OTHER DISEASES OF ENDOCARDIUM	30	-	-	-	-	-	1	-	4	1	4	20
425	CARDIOMYOPATHY	30	-	-	1	-	-	-	-	11	3	6	9
426	CONDUCTION DISORDERS	1	-	-	-	-	-	-	-	-	1	-	-
427	CARDIAC DYSRHYTHMIAS	176	2	-	-	2	3	1	3	28	17	21	99
428	HEART FAILURE	147	-	-	-	-	-	-	-	15	13	16	103
429	ILL-DEFINED DESCRIPTIONS AND COMLICATIONS OF HEART DISEASE	194	1	-	-	-	-	-	2	7	12	9	163
430-438	CEREBROVASCULAR DISEASE	566	-	1	-	-	-	2	3	49	22	50	439
430	SUBARACHNOID HAEMORRHAGE	24	-	-	-	-	-	-	2	11	5	4	2
431	INTRACEREBRAL HAEMORRHAGE	50	-	-	-	-	-	-	-	20	2	2	26
432	OTHER AND UNSPECIFIED INTRACRANIAL HAEMORRHAGE	3	-	1	-	-	-	-	-	-	-	-	2
433	OCCLUSION AND STENOSIS OF PRECEREBRAL ARTERIES	5	-	-	-	-	-	-	-	2	1	1	1
434	OCCLUSION OF CEREBRAL ARTERIES	76	-	-	-	-	-	-	-	7	2	6	61
435	TRANSIENT CEREBRAL ISCHAEMIA	2	-	-	-	-	-	-	-	-	-	-	2
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	334	-	-	-	-	-	2	-	6	10	35	281
437	OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE	58	-	-	-	-	-	-	1	2	1	2	52
438	LATE EFFECTS OF CEREBROVASCULAR DISEASE	14	-	-	-	-	-	-	-	1	1	-	12
440-448	DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	156	-	-	-	-	-	1	-	12	8	23	112
440	ATHEROSCLEROSIS	93	-	-	-	-	-	1	-	5	4	5	78
441	AORTIC ANEURYSM	44	-	-	-	-	-	-	-	3	3	16	22
442	OTHER ANEURYSM	3	-	-	-	-	-	-	-	-	-	1	2
443	OTHER PERIPHERAL VASCULAR DISEASE	4	-	-	-	-	-	-	-	-	-	-	4
444	ARTERIAL EMBOLISM AND THROMBOSIS	5	-	-	-	-	-	-	-	-	-	1	4
446	POLYARTERITIS NODOSA AND ALLIED CONDITIONS	2	-	-	-	-	-	-	-	2	-	-	-

TABLE 18 (continued)

RESIDENT DEATHS BY CAUSE, BY AGE GROUP
SOUTH DAKOTA 1982

ICD NO. 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	Under 1	1-4	5-14	15-19	20-24	25-34	35-44	45-64	65-69	70-74	75 +
447	OTHER DISORDERS OF ARTERIES AND ARTERIOLES	5	-	-	-	-	-	-	-	2	1	-	2
448	DISEASES OF CAPILLARIES	-	-	-	-	-	-	-	-	-	-	-	-
451-459	DISEASES OF VEINS AND LYMPHATICS, AND OTHER DISEASES OF CIRCULATORY SYSTEM	9	1	-	-	-	-	-	-	-	2	2	4
451	PHLEBITIS AND THROMBOPHLEBITIS	3	-	-	-	-	-	-	-	-	-	2	1
452	PORTAL VEIN THROMBOSIS	-	-	-	-	-	-	-	-	-	-	-	-
453	OTHER VENOUS EMBOLISM AND THROMBOSIS	1	-	-	-	-	-	-	-	-	1	-	-
454	VARICOSE VEINS OF LOWER EXTREMITIES	1	-	-	-	-	-	-	-	-	-	-	1
456	VARICOSE VEINS OF OTHER SITES	1	-	-	-	-	-	-	-	-	-	-	1
458	HYPOTENSION	1	1	-	-	-	-	-	-	-	-	-	-
459	OTHER DISORDERS OF CIRCULATORY SYSTEM	2	-	-	-	-	-	-	-	-	1	-	1
460-519	DISEASES OF THE RESPIRATORY SYSTEM	494	2	2	2	1	-	2	-	61	48	67	309
460-466	ACUTE RESPIRATORY INFECTIONS	5	-	-	1	-	-	-	-	-	1	-	3
462	ACUTE PHARYNGITIS	2	-	-	1	-	-	-	-	-	-	-	1
465	UPPER RESPIRATORY INFECTIONS OF MULTIPLE OR UNSPECIFIED SITES	1	-	-	-	-	-	-	-	-	-	-	1
466	ACUTE BRONCHITIS AND BRONCHIOLITIS	2	-	-	-	-	-	-	-	-	1	-	1
470-478	OTHER DISEASES OF UPPER RESPIRATORY TRACT	1	-	-	-	-	-	-	-	-	-	-	1
476	CHRONIC LARYNGITIS AND LARYNGOTRACHEITIS	-	-	-	-	-	-	-	-	-	-	-	-
478	OTHER DISEASES OF UPPER RESPIRATORY TRACT	1	-	-	-	-	-	-	-	-	-	-	1
480-487	PNEUMONIA AND INFLUENZA	221	1	2	1	-	-	1	-	16	7	15	178
480	VIRAL PNEUMONIA	-	-	-	-	-	-	-	-	-	-	-	-
481	PNEUMOCOCCAL PNEUMONIA	14	-	-	-	-	-	-	-	1	1	1	11
482	OTHER BACTERIAL PNEUMONIA	11	-	-	-	-	-	-	-	2	1	-	8
485	BRONCHOPNEUMONIA, ORGANISM UNSPECIFIED	45	-	1	1	-	-	-	-	4	1	3	35
486	PNEUMONIA, ORGANISM UNSPECIFIED	139	1	1	-	-	-	1	-	9	2	11	114
487	INFLUENZA	12	-	-	-	-	-	-	-	-	2	-	10
490-496	CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	221	-	-	-	-	-	1	-	35	33	45	107
490	BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	2	-	-	-	-	-	-	-	-	-	-	2
491	CHRONIC BRONCHITIS	9	-	-	-	-	-	-	-	2	-	2	5
492	EMPHYSEMA	63	-	-	-	-	-	-	-	12	8	13	30
493	ASTHMA	10	-	-	-	-	-	1	-	2	2	2	3
494	BRONCHIECTASIS	3	-	-	-	-	-	-	-	-	-	1	2
496	CHRONIC AIRWAYS OBSTRUCTION, NOT ELSEWHERE CLASSIFIED	134	-	-	-	-	-	-	-	19	23	27	65
500-508	PNEUMOCONIOSES AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENTS	15	-	-	-	-	-	-	-	2	1	2	10
500	COAL WORKERS PNEUMOCONIOSIS	1	-	-	-	-	-	-	-	-	-	-	1
502	PNEUMOCONIOSIS DUE TO OTHER SILICA AND OTHER SILICATES	-	-	-	-	-	-	-	-	-	-	-	-
505	PNEUMOCONIOSIS, UNSPECIFIED	-	-	-	-	-	-	-	-	-	-	-	-
507	PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	14	-	-	-	-	-	-	-	2	1	2	9
510-519	OTHER DISEASES OF RESPIRATORY SYSTEM	31	1	-	-	1	-	-	-	8	6	5	10
510	EMPYEMA	-	-	-	-	-	-	-	-	-	-	-	-
511	PLEURISY	3	-	-	-	-	-	-	-	1	-	-	2
512	PNEUMOTHORAX	-	-	-	-	-	-	-	-	-	-	-	-
513	ABSCESS OF LUNG AND MEDIASTINUM	2	-	-	-	-	-	-	-	-	-	1	1
514	PULMONARY CONGESTION AND HYPOSTASIS	3	-	-	-	-	-	-	-	-	-	1	2
515	POSTINFLAMMATORY PULMONARY FIBROSIS	7	-	-	-	-	-	-	-	1	2	2	2
516	OTHER ALVEOLAR AND PARIETOALVEOLAR PNEUMOPATHY	2	1	-	-	-	-	-	-	-	-	-	1
518	OTHER DISEASES OF LUNG	12	-	-	-	1	-	-	-	5	4	1	1
519	OTHER DISEASES OF RESPIRATORY SYSTEM	2	-	-	-	-	-	-	-	1	-	-	1

TABLE 18 (continued)

RESIDENT DEATHS BY CAUSE, BY AGE GROUP
SOUTH DAKOTA 1982

ICD NO. 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	Under 1	1-4	5-14	15-19	20-24	25-34	35-44	45-64	65-69	70-74	75 +
520-579	DISEASES OF THE DIGESTIVE SYSTEM	214	1	1	-	-	1	7	11	43	18	21	111
520-529	DISEASES OF THE ORAL CAVITY, SALIVARY GLAND AND JAWS	1	-	-	-	-	-	-	-	-	-	-	1
522	DISEASES OF PULP AND PERIAPICAL TISSUES	-	-	-	-	-	-	-	-	-	-	-	-
527	DISEASES OF THE SALIVARY GLAND	1	-	-	-	-	-	-	-	-	-	-	1
530-537	DISEASES OF ESOPHAGUS, STOMACH AND DUODENUM	32	-	-	-	-	1	1	-	6	1	1	22
530	DISEASES OF THE ESOPHAGUS	8	-	-	-	-	-	-	-	1	-	-	7
531	GASTRIC ULCER	11	-	-	-	-	1	1	-	2	-	-	7
532	DUODENAL ULCER	5	-	-	-	-	-	-	-	2	-	1	2
533	PEPTIC ULCER, SITE UNSPECIFIED	6	-	-	-	-	-	-	-	-	1	-	5
534	GASTROJEJUNAL ULCER	-	-	-	-	-	-	-	-	-	-	-	-
535	GASTRITIS AND DUODENITIS	2	-	-	-	-	-	-	-	1	-	-	1
536	DISORDERS OF FUNCTION OF STOMACH	-	-	-	-	-	-	-	-	-	-	-	-
540-543	APPENDICITIS	-	-	-	-	-	-	-	-	-	-	-	-
540	ACUTE APPENDICITIS	-	-	-	-	-	-	-	-	-	-	-	-
550-553	HERNIA OF ABDOMINAL CAVITY	3	-	-	-	-	-	-	-	-	-	-	3
551	OTHER HERNIA OF ABDOMINAL CAVITY WITH GANGRENE	-	-	-	-	-	-	-	-	-	-	-	-
552	OTHER HERNIA OF ABDOMINAL CAVITY WITH OBSTRUCTION, WITHOUT MENTION OF GANGRENE	1	-	-	-	-	-	-	-	-	-	-	1
553	OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBSTRUCTION OR GANGRENE	2	-	-	-	-	-	-	-	-	-	-	2
555-558	NONINFECTIOUS ENTERITIS AND COLITIS	21	1	-	-	-	-	-	-	5	-	3	12
555	REGIONAL ENTERITIS	1	-	-	-	-	-	-	-	1	-	-	-
556	IDIOPATHIC PROCTOCOLITIS	1	-	-	-	-	-	-	-	1	-	-	-
557	VASCULAR INSUFFICIENCY OF INTESTINE	15	1	-	-	-	-	-	-	2	-	2	10
558	OTHER NONINFECTIOUS GASTROENTERITIS AND COLITIS	4	-	-	-	-	-	-	-	1	-	1	2
560-569	OTHER DISEASES OF INTESTINE AND PERITONEUM	46	-	1	-	-	-	-	1	1	5	4	34
560	INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA	18	-	-	-	-	-	-	-	-	1	-	17
562	DIVERTICULA OF INTESTINE	17	-	-	-	-	-	-	1	-	2	1	13
564	FUNCTIONAL DIGESTIVE DISORDERS, NOT ELSEWHERE CLASSIFIED	2	-	-	-	-	-	-	-	1	-	-	1
566	ABSCESS OF ANAL AND RECTAL REGIONS	1	-	-	-	-	-	-	-	-	-	1	-
567	PERITONITIS	3	-	-	-	-	-	-	-	-	1	1	1
568	OTHER DISORDERS OF PERITONEUM	2	-	1	-	-	-	-	-	-	-	1	-
569	OTHER DISORDERS OF INTESTINE	3	-	-	-	-	-	-	-	-	1	-	2
570-579	OTHER DISEASES OF DIGESTIVE SYSTEM	111	-	-	-	-	-	6	10	31	12	13	39
570	ACUTE AND SUBACUTE NECROSIS OF LIVER	4	-	-	-	-	-	1	1	1	-	-	1
571	CHRONIC LIVER DISEASE AND CIRRHOSIS	53	-	-	-	-	-	4	8	25	6	5	5
572	LIVER ABSCESS AND SEQUELAE OF CHRONIC LIVER DISEASE	6	-	-	-	-	-	-	-	2	1	1	2
573	OTHER DISORDERS OF LIVER	2	-	-	-	-	-	-	-	-	-	-	2
574	CHOLELITHIASIS	6	-	-	-	-	-	-	-	1	-	1	4
575	OTHER DISORDERS OF GALLBLADDER	7	-	-	-	-	-	-	-	-	2	1	4
576	OTHER DISORDERS OF BILIARY TRACT	3	-	-	-	-	-	-	-	-	-	-	3
577	DISEASES OF PANCREAS	9	-	-	-	-	-	-	1	1	1	4	2
578	GASTROINTESTINAL HEMORRHAGE	20	-	-	-	-	-	1	-	-	2	1	16
579	INTESTINAL MALABSORPTION	1	-	-	-	-	-	-	-	1	-	-	-
580-629	DISEASES OF GENITOURINARY SYSTEM	102	2	-	1	-	-	3	3	10	6	5	72
580-589	NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS	71	2	-	1	-	-	2	3	7	5	5	46
581	NEPHROTIC SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 18 (continued)

RESIDENT DEATHS BY CAUSE, BY AGE GROUP
SOUTH DAKOTA 1982

ICD NO. 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	Under 1	1-4	5-14	15-19	20-24	25-34	35-44	45-64	65-69	70-74	75 +
582	CHRONIC GLOMERULONEPHRITIS	3	-	-	-	-	-	2	-	-	-	1	-
583	NEPHRITIS AND NEPHROPATHY, NOT SPECIFIED AS ACUTE OR CHRONIC	-	-	-	-	-	-	-	-	-	-	-	-
584	ACUTE RENAL FAILURE	14	1	-	-	-	-	-	-	3	1	-	9
585	CHRONIC RENAL FAILURE	24	-	-	-	-	-	-	2	3	2	4	13
586	RENAL FAILURE UNSPECIFIED	30	1	-	1	-	-	-	1	1	2	-	24
590-599	OTHER DISEASES OF URINARY SYSTEM	26	-	-	-	-	-	1	-	3	1	-	21
590	INFECTIONS OF KIDNEY	7	-	-	-	-	-	1	-	2	1	-	3
591	HYDRONEPHROSIS	1	-	-	-	-	-	-	-	-	-	-	1
592	CALCULUS OF KIDNEY AND URETER	1	-	-	-	-	-	-	-	-	-	-	1
593	OTHER DISORDERS OF KIDNEY AND URETER	2	-	-	-	-	-	-	-	-	-	-	2
594	CALCULUS OF LOWER URINARY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
596	OTHER DISEASES OF BLADDER	1	-	-	-	-	-	-	-	-	-	-	1
599	OTHER DISORDERS OF URETHRA AND URINARY TRACT	14	-	-	-	-	-	-	-	1	-	-	13
600-608	DISEASES OF MALE GENITAL ORGANS	5	-	-	-	-	-	-	-	-	-	-	5
600	HYPERPLASIA OF PROSTATE	5	-	-	-	-	-	-	-	-	-	-	5
601	INFLAMMATORY DISEASES OF PROSTATE	-	-	-	-	-	-	-	-	-	-	-	-
604	ORCHITIS AND EPIDIDYMITIS	-	-	-	-	-	-	-	-	-	-	-	-
630-676	COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	-	-	-	-	-	-	-	-	-	-	-	-
660-669	COMPLICATIONS OCCURRING MAINLY IN THE COURSE OF LABOUR AND DELIVERY	-	-	-	-	-	-	-	-	-	-	-	-
668	COMPLICATIONS OF THE ADMINISTRATION OF ANAESTHETIC OR OTHER SEDATION IN LABOUR AND DELIVERY	-	-	-	-	-	-	-	-	-	-	-	-
680-709	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	3	-	-	-	-	-	-	-	1	-	-	2
682	OTHER CELLULITIS AND ABSCESS	2	-	-	-	-	-	-	-	1	-	-	1
686	OTHER LOCAL INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	1	-	-	-	-	-	-	-	-	-	-	1
690-698	OTHER INFLAMATORY CONDITIONS OF SKIN AND SUBCUTANEOUS TISSUE	1	-	-	-	-	-	1	-	-	-	-	-
694	BULLOUS DERMATOSIS	-	-	-	-	-	-	-	-	-	-	-	-
695	ERYTHEMATOUS CONDITIONS	1	-	-	-	-	-	1	-	-	-	-	-
700-709	OTHER DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	3	-	-	-	-	-	-	-	-	-	1	2
707	CHRONIC ULCER OF SKIN	3	-	-	-	-	-	-	-	-	-	1	2
710-739	DISEASES OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	30	1	-	-	-	-	2	2	8	1	5	11
710-719	ARTHROPATHIES AND RELATED DISORDERS	24	1	-	-	-	-	2	1	7	1	5	7
710	DIFFUSE DISEASE OF CONNECTIVE TISSUE	9	-	-	-	-	-	2	1	3	1	1	1
714	RHEUMATOID ARTHRITIS AND OTHER INFLAMATORY POLYARTHROPATHIES	12	-	-	-	-	-	-	-	4	-	2	6
715	OSTEOARTHITIS AND ALLIED DISORDERS	2	1	-	-	-	-	-	-	-	-	1	-
716	OTHER AND UNSPECIFIED ARTHROPATHIES	1	-	-	-	-	-	-	-	-	-	1	-
720-724	DORSOPATHIES	2	-	-	-	-	-	-	-	-	-	-	2
721	SPONDYLOSIS AND ALLIED DISORDERSS	-	-	-	-	-	-	-	-	-	-	-	-
722	INTERVERTEBRAL DISC DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
725	POLYMYALGIA RHEUMATICA	1	-	-	-	-	-	-	-	-	-	-	1
728	DISORDERS OF MUSCLE, LIGAMENT AND FASCIA	1	-	-	-	-	-	-	-	-	-	-	1
730-739	OSTEOPATHIES, CHRONDROPATHIES AND ACQUIRED MUSCULOSKELETAL DEFORMITIES	4	-	-	-	-	-	-	1	1	-	-	2
730	OSTEOMYELITIS PERIOSTITIS AND OTHER INFECTIONS												

TABLE 18 (continued)

RESIDENT DEATHS BY CAUSE, BY AGE GROUP
SOUTH DAKOTA 1982

ICD NO. 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	Under 1	1-4	5-14	15-19	20-24	25-34	35-44	45-64	65-69	70-74	75 +
	INVOLVING BONE	1	-	-	-	-	-	-	-	1	-	-	-
731	OSTEITIS DEFORMANS AND OSTEOPATHIES ASSOCIATED WITH OTHER DISORDERS CLASSIFIED ELSEWHERE	1	-	-	-	-	-	-	-	-	-	-	1
733	OTHER DISORDERS OF BONE AND CARTILAGE	-	-	-	-	-	-	-	-	-	-	-	-
737	CURVATURE OF SPINE	2	-	-	-	-	-	-	1	-	-	-	1
740-759	CONGENITAL ANOMALIES	36	18	5	3	1	1	1	-	4	1	-	2
740	ANENCEPHALUS AND SIMILAR ANOMALIES	2	2	-	-	-	-	-	-	-	-	-	-
742	OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	3	1	2	-	-	-	-	-	-	-	-	-
744	CONGENITAL ANOMALIES OF EAR, FACE AND NECK	-	-	-	-	-	-	-	-	-	-	-	-
745	BULBUS CORDIS ANOMALIES AND ANOMALIES OF CARDIAC SEPTAL CLOSURE	10	2	2	-	1	-	1	-	1	1	-	2
746	OTHER CONGENITAL ANOMALIES OF HEART	6	3	-	1	-	1	-	-	1	-	-	-
747	OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	5	4	-	1	-	-	-	-	-	-	-	-
748	CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	2	1	-	1	-	-	-	-	-	-	-	-
751	OTHER CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	1	-	1	-	-	-	-	-	-	-	-	-
753	CONGENITAL ANOMALIES OF URINARY SYSTEM	2	1	-	-	-	-	-	-	1	-	-	-
756	OTHER CONGENITAL MUSCULOSKELETAL SYSTEM	1	1	-	-	-	-	-	-	-	-	-	-
758	CHROMOSOMAL ANOMALIES	2	1	-	-	-	-	-	-	1	-	-	-
759	OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	2	2	-	-	-	-	-	-	-	-	-	-
760-779	CERTIAN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	66	65	1	-	-	-	-	-	-	-	-	-
760	FETUS AND NEWBORN AFFECTED BY MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	1	1	-	-	-	-	-	-	-	-	-	-
761	FETUS AND NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	5	5	-	-	-	-	-	-	-	-	-	-
762	FETUS AND NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD AND MEMBRANES	1	1	-	-	-	-	-	-	-	-	-	-
763	FETUS AND NEWBORN AFFECTED BY OTHER COMPLICATIONS OF LABOUR AND DELIVERY	1	1	-	-	-	-	-	-	-	-	-	-
765	DISORDERS RELATED TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	14	14	-	-	-	-	-	-	-	-	-	-
767	BIRTH TRAUMA	3	2	-	1	-	-	-	-	-	-	-	-
768	INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	5	5	-	-	-	-	-	-	-	-	-	-
769	RESPIRATORY DISTRESS SYNDROME	16	16	-	-	-	-	-	-	-	-	-	-
770	OTHER RESPIRATORY CONDITIONS OF FETUS AND NEWBORN	8	8	-	-	-	-	-	-	-	-	-	-
771	INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	1	1	-	-	-	-	-	-	-	-	-	-
772	FETAL AND NEONATAL HAEMORRHAGE	4	4	-	-	-	-	-	-	-	-	-	-
775	ENDOCRINE AND METABOLIC DISTURBANCES SPECIFIC TO THE FETUS AND NEWBORN	-	-	-	-	-	-	-	-	-	-	-	-
777	PERINATAL DISORDERS OF THE DIGESTIVE SYSTEM	2	2	-	-	-	-	-	-	-	-	-	-
778	CONDITIONS INVOLVING THE INTEGUMENT AND TEMPERATURE REGULATION OF FETUS AND NEWBORN	2	2	-	-	-	-	-	-	-	-	-	-
779	OTHER AND ILL-DEFINED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	3	3	-	-	-	-	-	-	-	-	-	-
780-799	SYMPTOMS AND ILL-DEFINED	83	24	1	-	-	-	2	-	17	11	4	24
780-789	SYMPTOMS	5	-	-	-	-	-	1	-	2	-	-	2
780	GENERAL SYMPTOMS	1	-	-	-	-	-	1	-	-	-	-	-
785	SYMPTOMS INVOLVING CARDIOVASCULAR SYSTEM	4	-	-	-	-	-	-	-	2	-	-	2
786	SYMPTOMS INVOLVING RESPIRATORY SYSTEM AND OTHER CHEST SYMPTOMS	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 18 (continued)

RESIDENT DEATHS BY CAUSE, BY AGE GROUP
SOUTH DAKOTA 1982

ICD NO. 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	Under 1	1-4	5-14	15-19	20-24	25-34	35-44	45-64	65-69	70-74	75 +
797-799	ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY AND MORTALITY	78	24	1	-	-	-	-	1	15	11	4	22
797	SENILITY WITHOUT MENTION OF PSYCHOSIS	8	-	-	-	-	-	-	-	-	1	-	7
798	SUDDEN DEATH, CAUSE UNKNOWN	26	24	1	-	-	-	-	-	-	-	-	1
799	OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY AND MORTALITY	44	-	-	-	-	-	-	1	15	10	4	14
E800-E929	ACCIDENTAL EXTERNAL CAUSES OF INJURY AND POISONING	358	2	13	19	29	45	48	34	77	15	12	64
E800-E807	RAILWAY ACCIDENTS	-	-	-	-	-	-	-	-	-	-	-	-
E805	HIT BY ROLLING STOCK	-	-	-	-	-	-	-	-	-	-	-	-
E810-E819	MOTOR VEHICLE TRAFFIC ACCIDENTS	156	1	3	4	15	32	26	20	31	4	5	15
E810	MOTOR VEHICLE TRAFFIC ACCIDENT INVOLVING COLLISION WITH TRAIN	-	-	-	-	-	-	-	-	-	-	-	-
E812	OTHER MOTOR VEHICLE ACCIDENT INVOLVING COLLISION WITH ANOTHER MOTOR VEHICLE	68	-	1	2	4	14	6	9	17	3	3	9
E813	MOTOR VEHICLE ACCIDENT INVOLVING COLLISION WITH OTHER VEHICLE	1	-	-	-	-	1	-	-	-	-	-	-
E814	MOTOR VEHICLE TRAFFIC ACCIDENT INVOLVING COLLISION WITH PEDESTRIAN	17	-	1	-	-	2	5	2	6	-	-	1
E815	OTHER MOTOR VEHICLE TRAFFIC ACCIDENT INVOLVING COLLISION ON THE HIGHWAY	12	-	-	-	2	6	1	1	1	-	-	1
E816	MOTOR VEHICLE TRAFFIC ACCIDENT DUE TO LOSS OF CONTROL, WITHOUT COLLISION ON HIGHWAY	48	1	1	1	6	9	12	6	7	1	1	3
E818	OTHER NONCOLLISION MOTOR VEHICLE TRAFFIC ACCIDENT	2	-	-	-	2	-	-	-	-	-	-	-
E819	MOTOR VEHICLE TRAFFIC ACCIDENT OF UNSPECIFIED NATURE	8	-	-	1	1	-	2	2	-	-	1	1
E820-E825	MOTOR VEHICLE NONTRAFFIC ACCIDENTS	8	-	3	-	1	-	1	1	1	-	1	-
E820	NONTRAFFIC ACCIDENT INVOLVING MOTOR-DRIVEN SNOW VEHICLE	2	-	-	-	-	-	1	-	-	-	1	-
E821	NONTRAFFIC ACCIDENT INVOLVING OTHER OFF-ROAD MOTOR VEHICLE	-	-	-	-	-	-	-	-	-	-	-	-
E822	OTHER MOTOR VEHICLE NONTRAFFIC ACCIDENT INVOLVING COLLISION WITH MOVING OBJECT	4	-	2	-	-	-	-	1	1	-	-	-
E825	OTHER MOTOR VEHICLE NONTRAFFIC ACCIDENT OF OTHER AND UNSPECIFIED NATURE	2	-	1	-	1	-	-	-	-	-	-	-
E826-E829	OTHER ROAD VEHICLE ACCIDENTS	1	-	-	-	-	-	1	-	-	-	-	-
E828	ACCIDENT INVOLVING ANIMAL BEING RIDDEN	1	-	-	-	-	-	1	-	-	-	-	-
E830-E838	WATER TRANSPORT ACCIDENTS	2	-	1	-	-	-	-	-	-	1	-	-
E830	ACCIDENT TO WATERCRAFT CAUSING SUBMERSION	1	-	-	-	-	-	-	-	-	1	-	-
E832	OTHER ACCIDENTAL SUBMERSION OR DROWNING IN WATER TRANSPORT ACCIDENT	1	-	1	-	-	-	-	-	-	-	-	-
E840-E845	AIR AND SPACE TRANSPORT ACCIDENTS	11	-	1	2	-	-	3	1	4	-	-	-
E840	ACCIDENT TO POWERED AIRCRAFT AT TAKE-OFF OR LANDING	-	-	-	-	-	-	-	-	-	-	-	-
E841	ACCIDENT TO POWERED AIRCRAFT, OTHER AND UNSPECIFIED	10	-	1	2	-	-	3	1	3	-	-	-
E842	ACCIDENT TO UNPOWERED AIRCRAFT	1	-	-	-	-	-	-	-	1	-	-	-
E850-E858	ACCIDENTAL POISONING BY DRUGS, MEDICAMENTS, AND BIOLOGICALS	4	-	-	-	1	-	-	-	1	1	-	1
E850	ACCIDENTAL POISONING BY ANALGESICS, ANTIPYRETICS, ANTIRHEUMATICS	1	-	-	-	1	-	-	-	-	-	-	-
E853	ACCIDENTAL POISONING BY TRANQUILLIZERS	-	-	-	-	-	-	-	-	-	-	-	-
E856	ACCIDENTAL POISONING BY ANTIBIOTICS	1	-	-	-	-	-	-	-	-	1	-	-

TABLE 18 (continued)

RESIDENT DEATHS BY CAUSE, BY AGE GROUP
SOUTH DAKOTA 1982

ICD NO. 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	Under 1	1-4	5-14	15-19	20-24	25-34	35-44	45-64	65-69	70-74	75 +
E857	ACCIDENTAL POISONING BY ANTI-INFECTIVES	1	-	-	-	-	-	-	-	1	-	-	-
E858	ACCIDENTAL POISONING BY OTHER DRUGS	1	-	-	-	-	-	-	-	-	-	-	1
E860-E869	ACCIDENTAL POISONING BY OTHER SOLID AND LIQUID SUBSTANCES, GASES AND VAPOURS	19	-	1	2	1	4	2	3	4	1	-	1
E860	ACCIDENTAL POISONING BY ALCOHOL, NOT ELSEWHERE CLASSIFIED	3	-	-	-	-	-	-	1	1	1	-	-
E868	ACCIDENTAL POISONING BY OTHER UTILITY GAS AND OTHER CARBON MONOXIDE	15	-	1	2	1	3	2	2	3	-	-	1
E869	ACCIDENTAL POISONING BY OTHER GASES AND VAPOURS	1	-	-	-	-	1	-	-	-	-	-	-
E880-E888	ACCIDENTAL FALLS	51	-	1	-	-	-	2	-	9	2	1	36
E880	FALL ON OR FROM STAIRS OR STEPS	8	-	-	-	-	-	2	-	3	1	-	2
E881	FALL ON OR FROM LADDERS OR SCAFFOLDING	1	-	-	-	-	-	-	-	1	-	-	-
E882	FALL FROM OR OUT OF BUILDING OR OTHER STRUCTURE	2	-	-	-	-	-	-	-	-	-	-	2
E884	OTHER FALL FROM ONE LEVEL TO ANOTHER	8	-	1	-	-	-	-	-	3	-	1	3
E885	FALL ON SAME LEVEL FROM SLIPPING, TRIPPING OR STUMBLING	6	-	-	-	-	-	-	-	1	1	-	4
E887	FRACTURE, CAUSE UNSPECIFIED	8	-	-	-	-	-	-	-	-	-	-	8
E888	OTHER AND UNSPECIFIED FALL	18	-	-	-	-	-	-	-	1	-	-	17
E890-E899	ACCIDENTS CAUSED BY FIRES AND FLAMES	11	-	-	1	-	-	-	-	5	1	1	3
E890	CONFLAGRATION IN PRIVATE DWELLING	9	-	-	1	-	-	-	-	4	1	-	3
E891	CONFLAGRATION IN OTHER AND UNSPECIFIED BUILDING AND STRUCTURE	2	-	-	-	-	-	-	-	1	-	1	-
E893	ACCIDENT CAUSED BY IGNITION OF CLOTHING	-	-	-	-	-	-	-	-	-	-	-	-
E895	ACCIDENT CAUSED BY CONTROLLED FIRE IN PRIVATE DWELLING	-	-	-	-	-	-	-	-	-	-	-	-
E899	ACCIDENT CAUSED BY UNSPECIFIED FIRE	-	-	-	-	-	-	-	-	-	-	-	-
E900-E909	ACCIDENTS DUE TO NATURAL AND ENVIRONMENTAL FACTORS	21	1	1	1	2	-	-	2	7	2	2	3
E901	EXCESSIVE COLD	16	1	-	-	1	-	-	1	7	2	2	2
E904	HUNGER, THIRST, EXPOSURE, NEGLECT	1	-	-	-	-	-	-	-	-	-	-	1
E906	OTHER INJURY CAUSED BY ANIMALS	2	-	1	-	-	-	-	1	-	-	-	-
E907	LIGHTNING	2	-	-	1	1	-	-	-	-	-	-	-
E909	CATACLYSMIC EARTH SURFACE MOVEMENTS AND ERUPTIONS	-	-	-	-	-	-	-	-	-	-	-	-
E910-E915	ACCIDENTS CAUSED BY SUBMERSION, SUFFOCATION AND FOREIGN BODIES	31	-	2	5	4	4	4	2	4	1	-	5
E910	ACCIDENTAL DROWNING AND SUBMERSION	22	-	2	5	3	3	4	2	2	-	-	1
E911	INHALATION AND INGESTION OF FOOD CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	8	-	-	-	1	1	-	-	1	1	-	4
E913	ACCIDENTAL MECHANICAL SUFFOCATION	1	-	-	-	-	-	-	-	1	-	-	-
E916-E929	OTHER ACCIDENTS	43	-	-	4	5	5	9	5	11	2	2	-
E916	STRUCK ACCIDENTALLY BY FALLING OBJECTS	4	-	-	-	-	1	1	-	2	-	-	-
E918	CAUGHT ACCIDENTALLY IN OR BETWEEN OBJECTS	-	-	-	-	-	-	-	-	-	-	-	-
E919	ACCIDENTS CAUSED BY MACHINERY	18	-	-	2	1	3	2	2	6	1	1	-
E920	ACCIDENTS CAUSED BY CUTTING AND PIERCING INSTRUMENTS OR OBJECTS	1	-	-	-	-	-	1	-	-	-	-	-
E921	ACCIDENT CAUSED BY EXPLOSION OF PRESSURE VESSEL	1	-	-	-	1	-	-	-	-	-	-	-
E922	ACCIDENT CAUSED BY FIREARM MISSILE	8	-	-	2	2	1	2	1	-	-	-	-
E923	ACCIDENT CAUSED BY EXPLOSIVE MATERIAL	1	-	-	-	-	-	1	-	-	-	-	-
E925	ACCIDENT CAUSED BY ELECTRIC CURRENT	2	-	-	-	-	-	1	1	-	-	-	-
E928	OTHER AND UNSPECIFIED ENVIROMENTAL AND ACCIDENTAL CAUSES	7	-	-	-	1	-	1	1	3	-	1	-
E929	LATE EFFECTS OF ACCIDENTAL INJURY	1	-	-	-	-	-	-	-	-	1	-	-

TABLE 18 (continued)

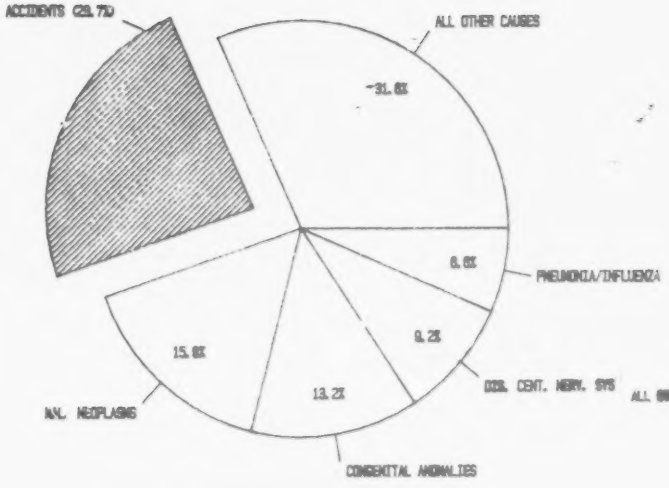
RESIDENT DEATHS BY CAUSE, BY AGE GROUP
SOUTH DAKOTA 1982

ICD NO. 9TH REV.	CAUSE OF DEATH	AGE GROUPS											
		TOTAL	Under 1	1-4	5-14	15-19	20-24	25-34	35-44	45-64	65-69	70-74	75 +
E930-E949	DRUGS, MEDICAMENTS AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE	2	-	-	-	-	-	1	-	-	-	-	1
E941	DRUGS PRIMARILY AFFECTING THE AUTONOMIC NERVOUS SYSTEM	1	-	-	-	-	-	1	-	-	-	-	-
E947	OTHER AND UNSPECIFIED DRUGS AND MEDICAMENTS	1	-	-	-	-	-	-	-	-	-	-	1
E950-E959	SUICIDE AND SELFINFLICTED INJURY	95	-	-	-	9	13	18	14	18	8	8	7
E950	SUICIDE AND SELFINFLICTED POISONING BY SOLID OR LIQUID SUBSTANCE	7	-	-	-	-	-	1	3	2	-	1	-
E952	SUICIDE AND SELFINFLICTED POISONING BY OTHER GASES AND VAPOURS	9	-	-	-	1	-	1	2	2	3	-	-
E953	SUICIDE AND SELFINFLICTED INJURY BY HANGING, STRANGULATION AND SUFFOCATION	23	-	-	-	3	2	7	2	1	1	3	4
E954	SUICIDE AND SELFINFLICTED INJURY BY SUBMERSION (DROWNING)	2	-	-	-	-	1	1	-	-	-	-	-
E955	SUICIDE AND SELFINFLICTED INJURY BY FIREARMS AND EXPLOSIVES	53	-	-	-	5	10	8	7	13	3	4	3
E956	SUICIDE AND SELFINFLICTED INJURY BY CUTTING AND PIERCING INSTRUMENTS	1	-	-	-	-	-	-	-	-	1	-	-
E960-E969	HOMOCIDE AND INJURY PURPOSELY INFLICTED BY OTHER PERSONS	31	1	1	-	6	5	6	5	7	-	-	-
E963	ASSAULT BY HANGING AND STRANGULATION	2	-	-	-	-	1	-	-	1	-	-	-
E965	ASSAULT BY FIREARMS AND EXPLOSIVES	13	-	-	-	5	-	1	3	4	-	-	-
E966	ASSAULT BY CUTTING AND PIERCING INSTRUMENT	4	-	-	-	-	2	2	-	-	-	-	-
E967	CHILD BATTERING AND OTHER MALTREATMENT	1	-	1	-	-	-	-	-	-	-	-	-
E968	ASSAULT BY OTHER AND UNSPECIFIED MEANS	11	1	-	-	1	2	3	2	2	-	-	-
E980-E989	INJURY UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	16	-	1	-	1	1	4	1	7	-	1	-
E980	POISONING BY SOLID OR LIQUID SUBSTANCES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	4	-	-	-	1	-	2	-	1	-	-	-
E982	POISONING BY OTHER GASES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	1	-	-	-	-	-	1	-	-	-	-	-
E983	HANGING, STRANGULATION OR SUFFOCATION UNDERTERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	-	-	-	-	-	-	-	-	-	-	-	-
E984	SUBMERSION (DROWNING), UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	2	-	1	-	-	-	-	-	1	-	-	-
E985	INJURY BY FIREARMS AND EXPLOSIVES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	3	-	-	-	-	1	-	-	1	-	1	-
E987	FALLING FROM HIGH PLACE, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	1	-	-	-	-	-	-	1	-	-	-	-
E988	INJURY BY OTHER AND UNSPECIFIED MEANS, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	5	-	-	-	-	-	1	-	4	-	-	-

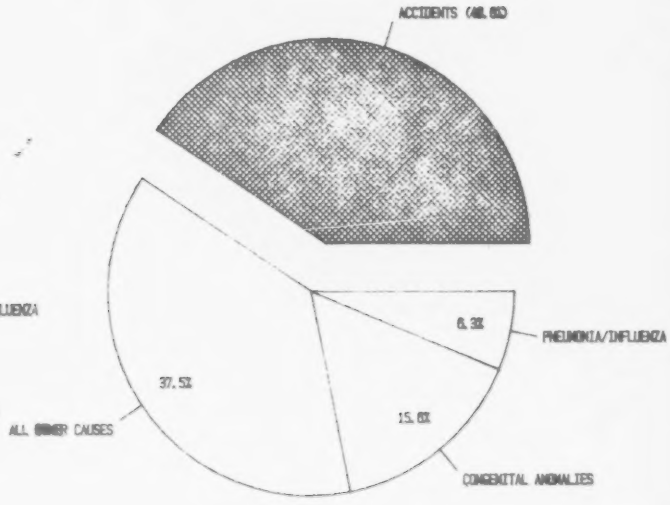
FIGURE 14

LEADING CAUSES OF DEATH SOUTH DAKOTA RESIDENTS
By Age Group, 1960 and 1982

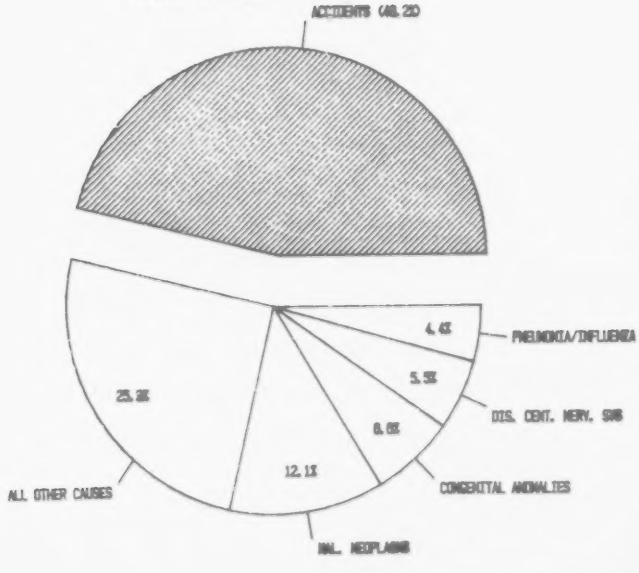
1960
AGES 1-4



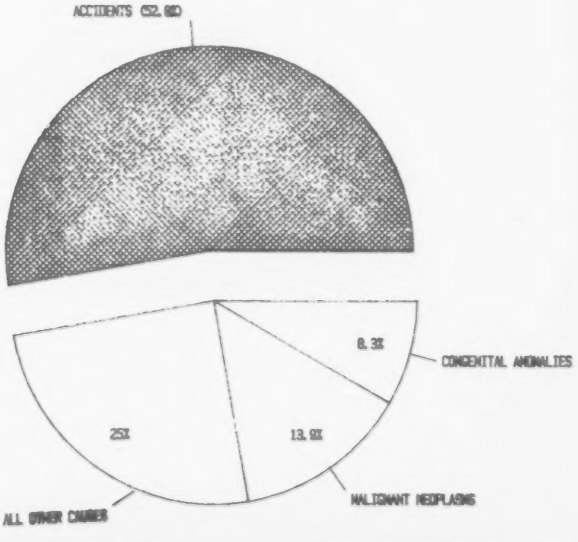
1982
AGES 1-4



1960
AGES 5-14

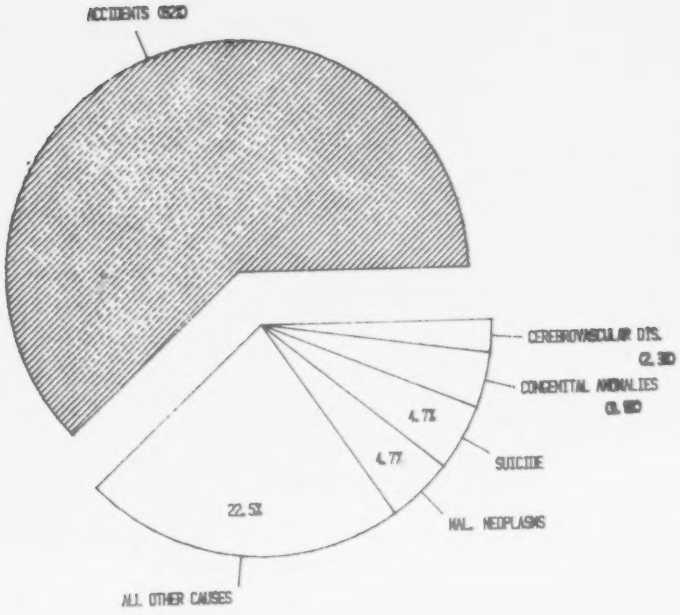


1982
AGES 5-14

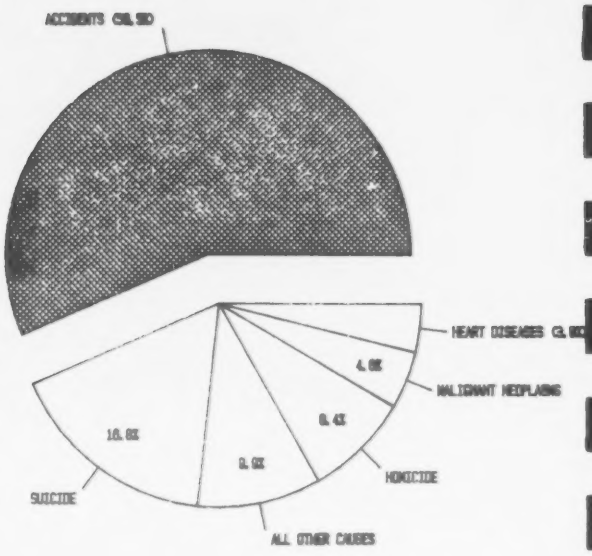


BEST AVAILABLE COPY

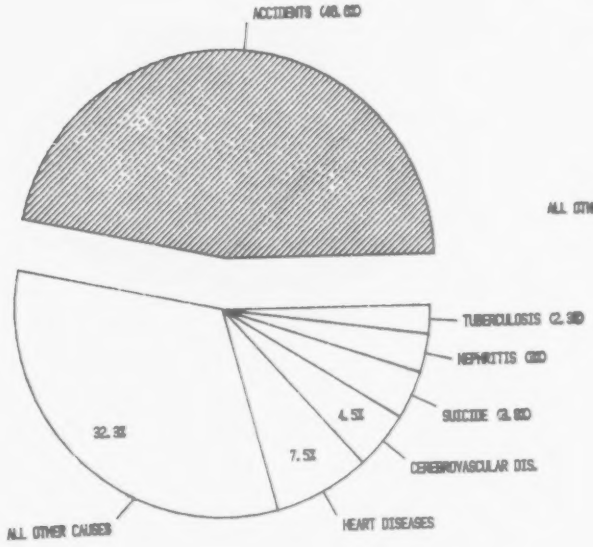
1960
AGES 15-24



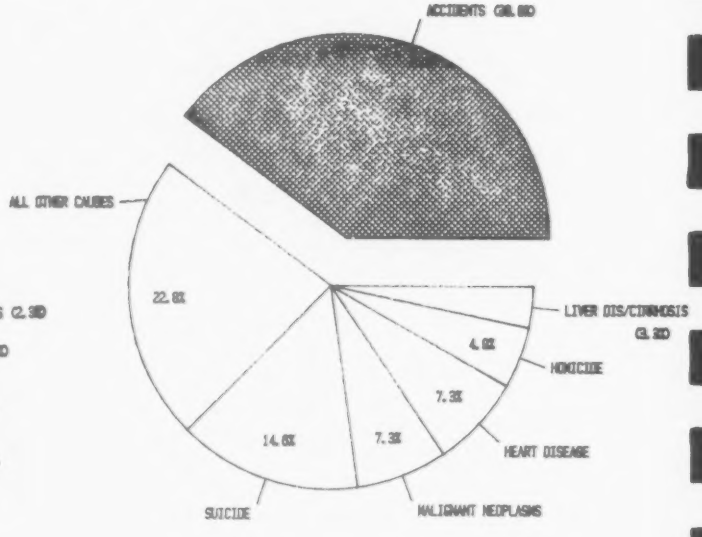
1982
AGES 15-24



1960
AGES 25-34



1982
AGES 24-34



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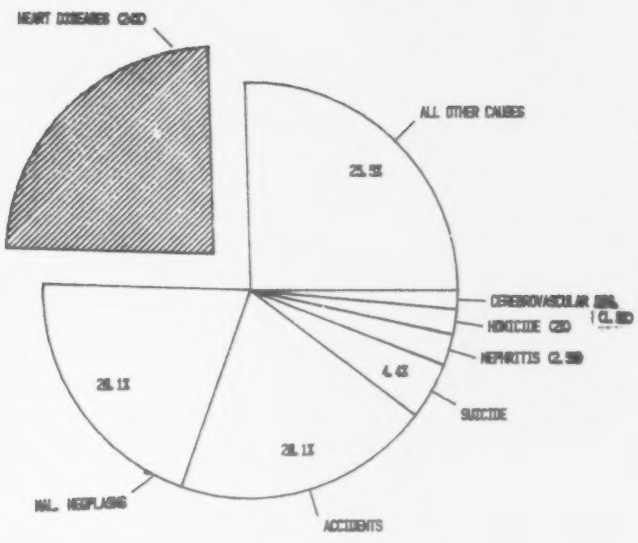
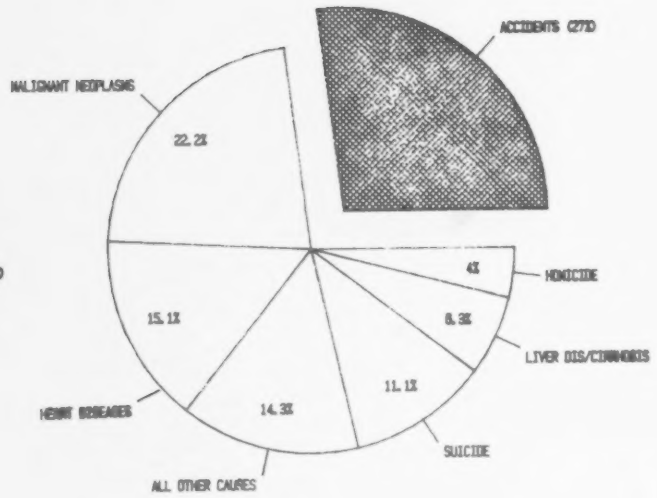
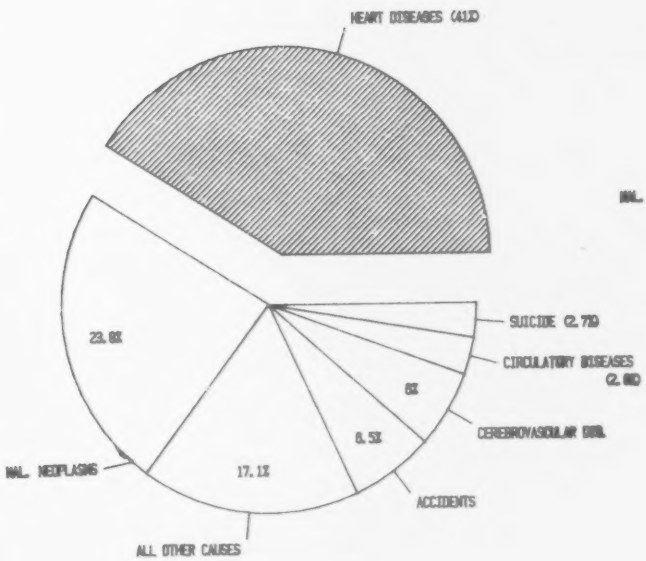
1960
AGES 35-44



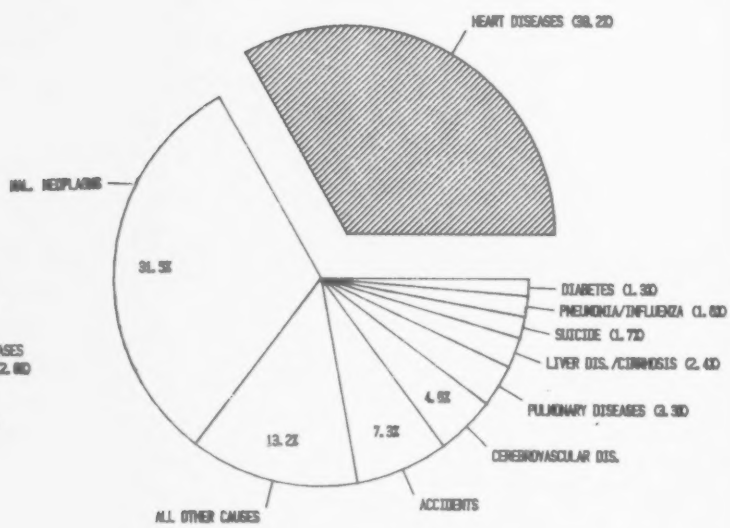
1982
AGES 35-44



1960
AGES 45-64

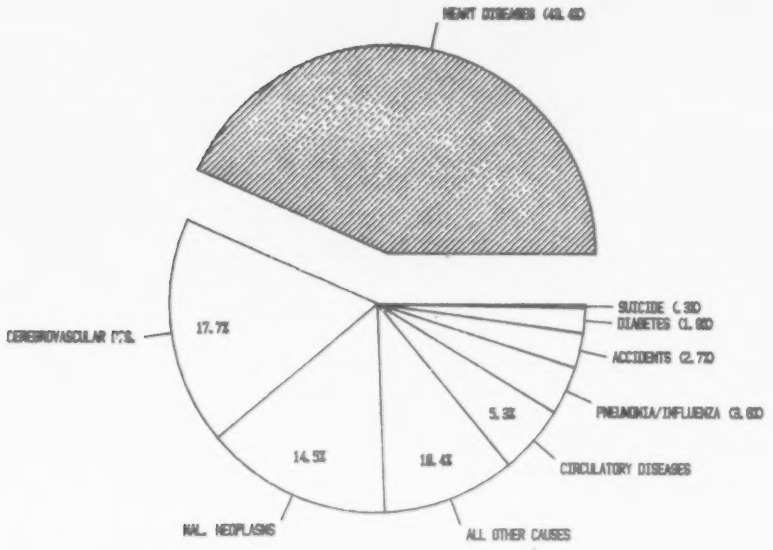


1982
AGES 45-64

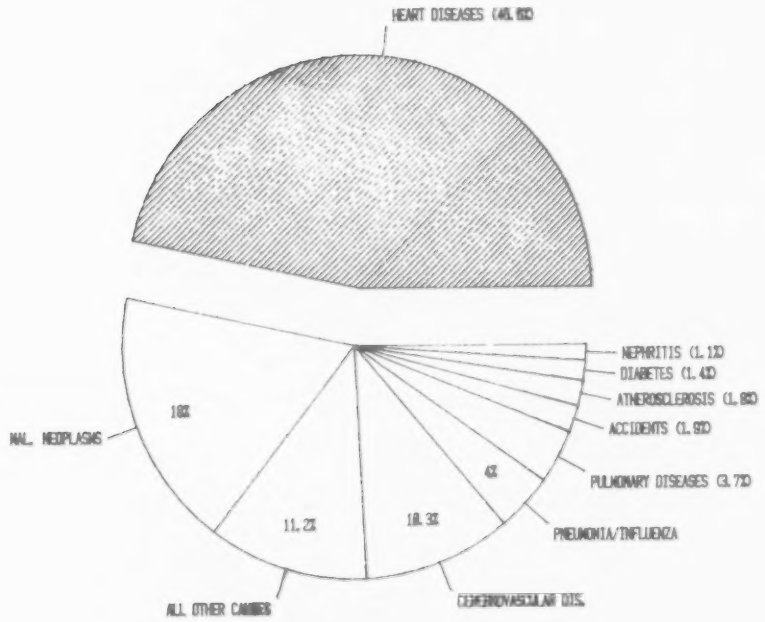


BEST AVAILABLE COPY

1960
AGES 65 AND OVER



1982
AGES 65 AND OVER



BEST AVAILABLE COPY

TABLE 19

SOUTH DAKOTA RESIDENT DEATHS, 1982
72 SELECTED CAUSES

CAUSE	TOTAL	WHITE		INDIAN		OTHER	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL ALL CAUSES	6588	3344	2812	247	178	3	4
SHIGELLOSIS & AMEBIASIS (004, 006)	-	-	-	-	-	-	-
CERTAIN OTHER INTESTINAL INFECTIONS (007-009)	4	1	2	1	-	-	-
TUBERCULOSIS OF RESPIRATORY SYTEM (010-012)	2	-	-	2	-	-	-
OTHER TUBERCULOSIS (013-018)	1	-	-	-	1	-	-
WHOOPING COUGH (033)	-	-	-	-	-	-	-
STREPTOCOCCAL SORE THROAT, SCARLETINA, AND ERYSIPELAS (034-035)	-	-	-	-	-	-	-
MENINGOCOCCAL INFECTION (036)	2	1	-	-	1	-	-
SEPTICEMIA (038)	26	13	13	-	-	-	-
ACUTE POLIOMYELITIS (045)	-	-	-	-	-	-	-
MEASLES (055)	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	1	1	-	-	-	-	-
SYPHILIS (090-097)	-	-	-	-	-	-	-
ALL OTHER INFECTIOUS AND PARASITIC DISEASES (001-003, 005, 020-032, 037, 039-041, 046-054, 056-066, 071-088, 098-139)	16	8	6	-	2	-	-
MALIGNANT NEOPLASMS OF LIPS, ORAL CAVITY, AND PHARYNX (140-149)	23	13	9	-	1	-	-
MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM (150-159)	383	191	183	3	6	-	-
MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS (160-165)	259	190	59	9	1	-	-
MALIGNANT NEOPLASM OF BREAST (174-175)	113	-	111	-	2	-	-
MALIGNANT NEOPLASMS OF GENITAL ORGANS (179-187)	151	84	63	3	1	-	-
MALIGNANT NEOPLASMS OF URINARY ORGANS (188-189)	68	42	25	1	-	-	-
MALIGNANT NEOPLASMS OF ALL OTHER AND UNSPECIFIED SITES (170-173, 190-199)	141	59	70	6	6	-	-
LEUKEMIA (204-208)	54	29	24	-	-	-	1
OTHER MALIGNANT NEOPLASMS (200-203)	79	39	39	1	-	-	-
BENIGN NEOPLASMS AND NEOPLASMS OF UNSPECIFIED NATURE (210-239)	19	9	10	-	-	-	-
DIABETES MELLITUS (250)	86	22	50	3	11	-	-
NUTRITIONAL DEFICIENCIES (260-269)	9	6	3	-	-	-	-
ANEMIAS (280-285)	17	9	7	-	1	-	-
MENINGITIS (320-322)	8	6	-	1	1	-	-
RHEUMATIC FEVER AND RHEUMATIC HEART DISEASE (390-398)	15	5	9	-	1	-	-
HYPERTENSIVE HEART DISEASE (402)	36	6	29	1	-	-	-
HYPERTENSIVE HEART AND RENAL DISEASE (404)	13	3	7	-	3	-	-
ACUTE MYOCARDIAL INFARCTION (410)	1300	758	502	28	12	-	-
OTHER ACUTE AND SUBACUTE FORMS OF ISCHEMIC HEART DISEASE (411)	5	5	-	-	-	-	-
ANGINA PECTORIS (413)	1	1	-	-	-	-	-
ALL OHTER FORMS OF CHRONIC ISCHEMIC HEART DISEASE (412, 414)	710	326	371	5	7	1	-
OTHER DISEASES OF ENDOCARDIUM (424)	30	10	19	1	-	-	-
ALL OTHER FORMS OF HEART DISEASE (415-423, 425-429)	586	305	250	17	14	-	-
HYPERTENSION WITH OR WITHOUT RENAL DISEASE (401, 403)	21	14	7	-	-	-	-
INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE (431-432)	53	29	22	2	-	-	-
CEREBRAL THROMBOSIS AND UNSPECIFIED OCCLUSION OF CEREBRAL ARTERIES (434.0, 434.9)	75	25	48	2	-	-	-
CEREBRAL EMBOLISM (434.1)	1	-	1	-	-	-	-
ALL OTHER AND LATE EFFECTS OF CEREBROVASCULAR DISEASES (430, 433, 435-438)	437	176	247	4	10	-	-
ATHEROSCLEROSIS (440)	93	39	53	1	-	-	-
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES (441-448)	63	36	22	3	1	-	1
ACUTE BRONCHITIS AND BRONCHIOLITIES (466)	2	1	1	-	-	-	-
PNEUMONIA (480-486)	209	103	92	9	5	-	-

TABLE 19 (continued)

SOUTH DAKOTA RESIDENT DEATH, 1982
72 SELECTED CAUSES

CAUSE	TOTAL	WHITE		INDIAN		OTHER	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
INFLUENZA (487)	12	5	7	-	-	-	-
BRONCHITIS, CHRONIC AND UNSPECIFIED (490-491)	11	6	5	-	-	-	-
EMPHYSEMA (492)	63	49	11	3	-	-	-
ASTHMA (493)	10	4	5	-	-	-	-
OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASES AND ALLIED CONDITIONS (494-496)	137	96	36	4	-	1	-
ULCER OF STOMACH AND DUODENUM (531-533)	22	9	13	-	-	-	-
APPENDICITIS (540-543)	-	-	-	-	-	-	-
HERNIA OF ABDOMINAL CAVITY AND INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA (550-553, 560)	21	5	16	-	-	-	-
CHRONIC LIVER DISEASE AND CIRRHOSIS (571)	53	24	9	11	9	-	-
CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER (574-575)	13	5	7	1	-	-	-
ACUTE GLOMERULONEPHRITIS AND NEPHROTIC SYNDROME (580-581)	-	-	-	-	-	-	-
CHRONIC GLOMERULONEPHRITIS, NEPHRITIS AND NEPHROPATHY (582-583, 587)	3	-	2	-	1	-	-
RENAL FAILURE (584-586, 588-589)	68	34	26	2	6	-	-
INFECTIONS OF KIDNEY (590)	7	4	3	-	-	-	-
HYPERPLASIA OF PROSTATE (600)	5	5	-	-	-	-	-
PREGNANCY WITH ABORTIVE OUTCOME (630-638)	-	-	-	-	-	-	-
OTHER COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (640-676)	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	36	17	14	2	2	-	1
BIRTH TRAUMA, INTRAUTERINE HYPOXIA, BIRTH ASPHYXIA AND RESPIRATORY DISTRESS SYNDROME (767-769)	24	5	12	4	3	-	-
OTHER CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (760-766, 770-779)	42	22	11	6	3	-	-
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS (780-799)	83	27	21	19	15	-	1
ALL OTHER DISEASES (RESIDUAL)	364	173	153	18	20	-	-
MOTOR VEHICLE ACCIDENTS (E810-E825)	164	88	34	25	16	1	-
ALL OTHER ACCIDENTS AND ADVERSE AFFECTS (E800-E807, E826-E949)	196	115	48	27	6	-	-
SUICIDE (E950-E959)	95	69	16	9	1	-	-
HOMICIDE AND LEGAL INTERVENTION (E960-E978)	31	10	6	6	9	-	-
ALL OTHER EXTERNAL CAUSES (E980-E999)	16	7	2	7	-	-	-

TABLE 20

DEATHS BY COUNTY OF RESIDENCE BY RACE
SOUTH DAKOTA, 1982

	ALL DEATHS		WHITE DEATHS		INDIAN DEATHS		OTHER DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
SOUTH DAKOTA	6588	9.5	6156	9.6	425	9.5	7	1.1
AURORA	31	8.5	31	8.6	-	-	-	-
BEADLE	208	10.8	208	11.0	-	-	-	-
BENNETT	25	8.2	18	9.7	7	6.0	-	-
BON HOMME	97	12.0	96	12.2	1	7.5	-	-
BROOKINGS	165	6.8	164	6.9	-	-	1	3.8
BROWN	301	8.1	298	8.3	3	3.6	-	-
BRULE	55	10.5	52	10.2	3	26.5	-	-
BUFFALO	13	7.2	3	5.7	10	7.9	-	-
BUTTE	101	12.1	101	12.4	-	-	-	-
CAMPBELL	25	11.1	25	11.2	-	-	-	-
CHARLES MIX	128	13.2	104	13.0	24	14.2	-	-
CLARK	60	12.3	60	12.3	-	-	-	-
CLAY	100	7.3	99	7.5	1	2.9	-	-
CODINGTON	210	10.1	210	10.2	-	-	-	-
CORSON	63	12.1	30	11.0	33	13.4	-	-
CUSTER	59	9.8	58	10.0	1	6.1	-	-
DAVISION	180	10.1	180	10.2	-	-	-	-
DAY	108	13.3	102	13.3	6	13.2	-	-
DEUEL	64	12.1	64	12.2	-	-	-	-
DEWEY	44	8.2	14	6.3	30	9.7	-	-
DOUGLAS	41	9.8	41	9.8	-	-	-	-
EDMUNDS	59	11.4	59	11.5	-	-	-	-
FALL RIVER	134	15.9	124	15.7	9	20.8	1	10.5
FAULK	49	14.7	49	14.8	-	-	-	-
GRANT	96	10.7	96	10.7	-	-	-	-
GREGORY	73	12.1	68	11.8	5	21.2	-	-
HAAKON	22	7.9	21	7.6	1	32.3	-	-
HAMLIN	87	16.5	87	16.6	-	-	-	-
HAND	48	9.7	48	9.7	-	-	-	-
HANSON	25	7.3	25	7.4	-	-	-	-
HARDING	13	7.6	13	7.7	-	-	-	-
HUGHES	111	7.8	98	7.4	13	14.6	-	-
HUTCHINSON	116	12.4	116	12.5	-	-	-	-
HYDE	19	9.2	19	9.6	-	-	-	-
JACKSON	25	7.3	16	8.3	9	6.0	-	-
JERAULD	40	13.7	40	13.7	-	-	-	-
JONES	13	8.9	13	9.0	-	-	-	-
KINGSBURY	121	18.1	120	18.0	-	-	1	45.5
LAKE	109	10.2	109	10.2	-	-	-	-
LAWRENCE	173	9.4	172	9.6	1	3.0	-	-
LINCOLN	144	10.3	144	10.4	-	-	-	-
LYMAN	40	10.4	30	10.1	10	11.1	-	-
MCCOOK	95	14.7	95	14.8	-	-	-	-
MCPHERSON	56	13.9	56	13.9	-	-	-	-
MARSHALL	75	13.9	71	13.9	4	13.9	-	-
MEADE	115	5.6	114	5.8	1	3.5	-	-
MELLETTE	29	12.9	16	11.7	13	14.9	-	-
MINER	42	11.2	42	11.3	-	-	-	-
MINNEHAHA	849	7.8	842	7.8	5	4.5	2	2.0
MOODY	79	11.8	77	12.2	2	5.9	-	-
PENNINGTON	549	7.8	506	7.8	41	11.3	2	1.0
PERKINS	30	6.4	30	6.5	-	-	-	-
POTTER	41	11.2	41	11.2	-	-	-	-
ROBERTS	130	11.9	115	13.1	15	7.1	-	-
SANBORN	37	11.5	37	11.6	-	-	-	-
SHANNON	94	8.3	3	4.2	91	8.6	-	-
SPINK	95	10.3	94	10.3	1	12.8	-	-
STANLEY	11	4.3	11	4.5	-	-	-	-
SULLY	19	9.5	19	9.6	-	-	-	-
TODD	68	9.3	15	9.4	53	9.3	-	-
TRIPP	74	10.2	65	9.7	9	15.8	-	-
TURNER	138	14.9	138	15.0	-	-	-	-
UNION	109	10.0	109	10.1	-	-	-	-
WALWORTH	80	11.4	69	10.5	11	26.8	-	-
WASHABAUGH	-	-	-	-	-	-	-	-
YANKTON	164	8.7	162	8.8	2	5.2	-	-
ZIEBACH	14	6.1	4	4.2	10	7.5	-	-

RATES ARE PER 1,000 POPULATION

TABLE 21

DEATHS BY COUNTY OF OCCURRENCE BY PLACE OF DEATH, 1982

DEATH COUNTY	TOTAL	PLACE OF DEATH			
		HOSPITAL INPATIENT	HOSPITAL OUTPATIENT	OTHER INSTITUTIONS	OTHER
TOTAL	6528	3757	178	1207	1386
AURORA	17	-	-	8	9
BEADLE	211	121	1	45	44
BENNETT	14	7	1	-	6
BON HOMME	89	47	1	10	31
BROOKINGS	128	59	10	32	27
BROWN	386	210	7	105	64
BRULE	61	34	3	14	10
BUFFALO	5	-	-	-	5
BUTTE	88	38	1	21	28
CAMPBELL	7	-	-	1	6
CHARLES MIX	116	70	2	16	28
CLARK	23	-	-	14	9
CLAY	78	41	3	23	11
CODINGTON	260	156	14	59	31
CORSON	18	-	-	-	18
CUSTER	43	17	1	7	18
DAVISON	215	154	6	32	23
DAY	75	38	3	8	26
DEUEL	58	26	-	15	17
DEWEY	26	10	-	1	15
DOUGLAS	29	15	-	8	6
EDMUNDS	45	26	-	8	11
FALL RIVER	148	114	-	6	28
FAULK	37	14	1	15	7
GRANT	65	38	1	13	13
GREGORY	74	54	1	3	16
HAAKON	14	8	-	2	4
HAMLIN	46	-	-	28	18
HAND	46	25	1	10	10
HANSON	6	-	-	-	6
HARDING	5	-	-	-	5
HUGHES	135	81	5	19	30
HUTCHINSON	133	68	1	31	33
HYDE	9	-	-	6	3
JACKSON	22	-	-	6	16
JERAULD	39	31	1	3	4
JONES	1	-	-	-	1
KINGSBURY	103	67	2	22	12
LAKE	88	55	3	11	19
LAWRENCE	149	62	8	29	50
LINCOLN	92	18	1	45	28
LYMAN	7	-	-	-	7
MCCOOK	43	-	-	29	14
MCPHERSON	46	25	2	5	14
MARSHALL	51	17	3	11	20
MEADE	183	128	5	14	36
MELLETTE	16	-	-	4	12
MINER	10	-	-	10	-
MINNEHAHA	1390	1052	27	181	130
MOODY	59	18	1	27	13
PENNINGTON	617	350	42	94	131
PERKINS	26	15	1	3	7
POTTER	33	26	-	3	4
ROBERTS	98	37	-	24	37
SANBORN	11	-	-	2	9
SHANNON	63	18	4	1	40
SPINK	57	30	1	10	16
STANLEY	4	-	-	-	4
SULLY	7	-	-	1	6
TODD	46	17	4	-	25
TRIPP	54	26	1	9	18
TURNER	108	55	-	20	33
UNION	43	-	-	31	12
WALWORTH	103	64	-	23	16
YANKTON	241	175	9	28	29
ZIEBACH	8	-	-	1	7

TABLE 22

DEATHS BY STATE OF OCCURRENCE AND STATE OF RESIDENCE, 1982

	RESIDENT DEATH BY STATE OF OCCURRENCE				DEATHS IN SOUTH DAKOTA BY STATE OF RESIDENCE			
	TOTAL	WHITE	INDIAN	OTHER	TOTAL	WHITE	INDIAN	OTHER
TOTAL	6588	6156	425	7	6528	6137	387	4
ALASKA	1	1	-	-	-	-	-	-
ARIZONA	19	19	-	-	1	1	-	-
ARKANSAS	2	2	-	-	-	-	-	-
CALIFORNIA	14	14	-	-	7	7	-	-
COLORADO	41	34	6	1	6	6	-	-
DISTRICT OF COLUMBIA	1	1	-	-	-	-	-	-
FLORIDA	3	3	-	-	2	2	-	-
GEORGIA	1	1	-	-	-	-	-	-
IDAHO	-	-	-	-	4	4	-	-
ILLINOIS	4	4	-	-	3	3	-	-
IOWA	62	61	1	-	80	80	-	-
KANSAS	4	4	-	-	5	5	-	-
MARYLAND	1	1	-	-	-	-	-	-
MASSACHUSETTS	-	-	-	-	1	1	-	-
MICHIGAN	-	-	-	-	1	1	-	-
MINNESOTA	166	145	19	2	138	135	3	-
MISSOURI	2	2	-	-	4	4	-	-
MONTANA	6	5	1	-	10	9	1	-
NEBRASKA	43	34	9	-	74	68	6	-
NEVADA	1	1	-	-	-	-	-	-
NEW JERSEY	-	-	-	-	1	1	-	-
NEW MEXICO	3	3	-	-	-	-	-	-
NORTH DAKOTA	82	66	16	-	40	39	1	-
OHIO	-	-	-	-	4	4	-	-
OREGON	1	1	-	-	2	1	1	-
PENNSYLVANIA	1	1	-	-	-	-	-	-
SOUTH DAKOTA	6110	5733	373	4	6110	5733	373	4
TEXAS	8	8	-	-	1	1	-	-
UTAH	2	2	-	-	-	-	-	-
VIRGINIA	1	1	-	-	-	-	-	-
WASHINGTON	1	1	-	-	2	2	-	-
WISCONSIN	2	2	-	-	2	2	-	-
WYOMING	6	6	-	-	29	27	2	-

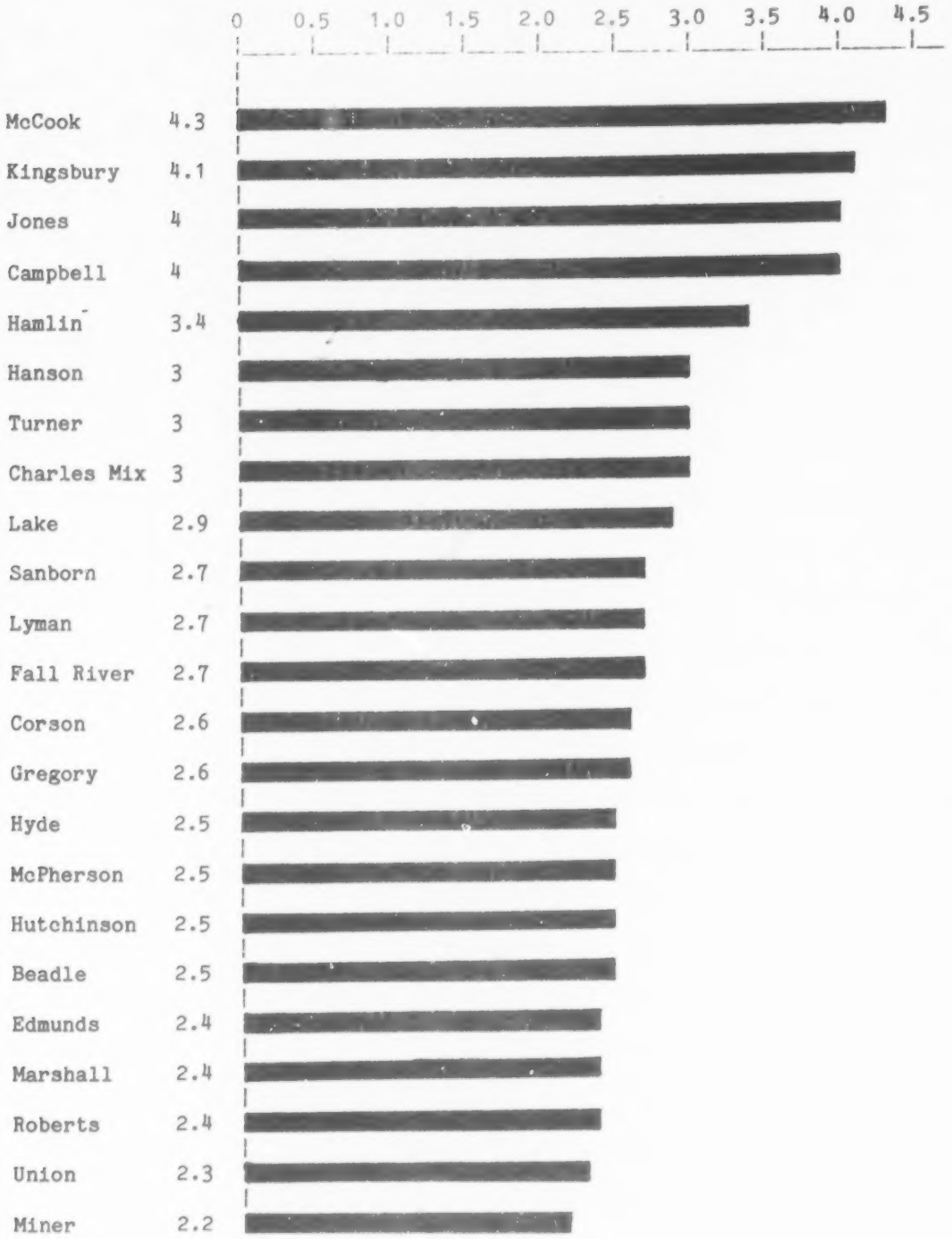
TABLE 23

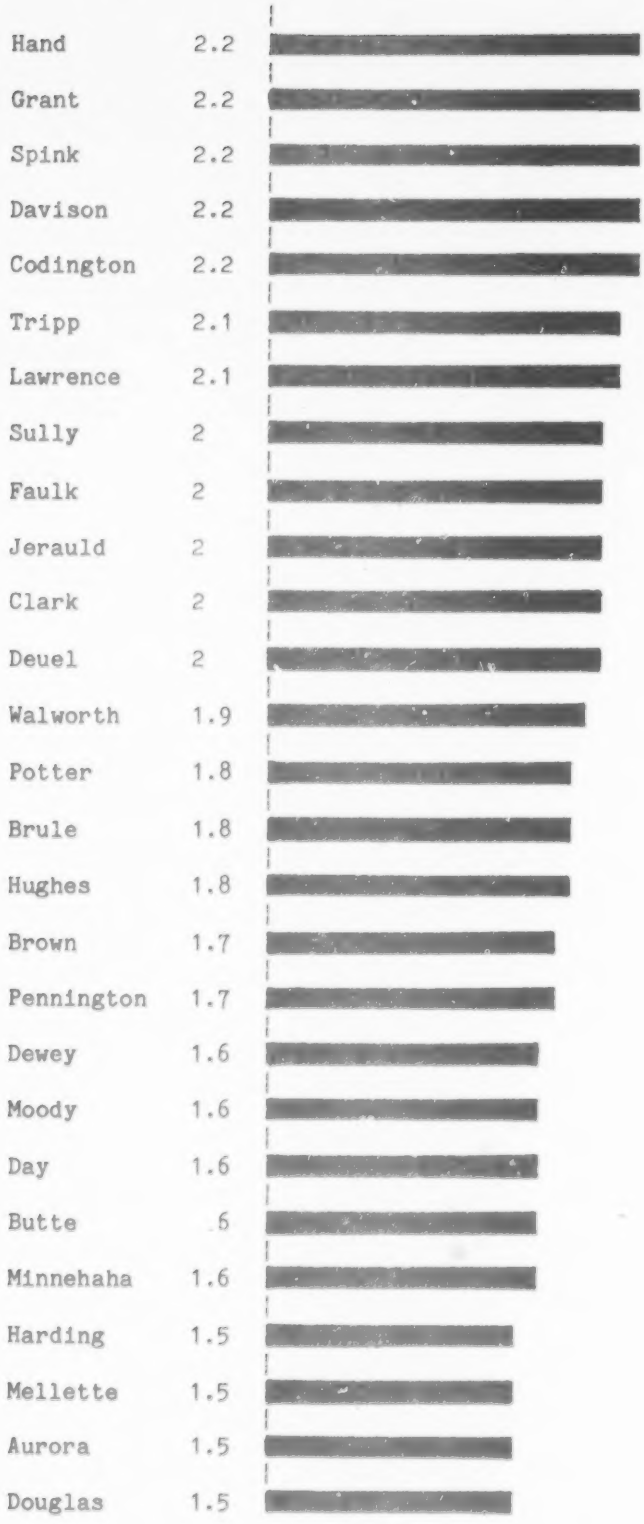
DEATHS FROM MALIGNANT NEOPLASMS
BY COUNTY OF RESIDENCE
SOUTH DAKOTA, 1982

	TOTAL		SITE OF MALIGNANT NEOPLASM													
			LIP, ORAL CAVITY, PHARYNX		DIGESTIVE ORGANS AND PERITONEUM		RESPIRATORY AND INTRA-THORACIC ORGANS		BONE, CONNECTIVE TISSUE, SKIN, BREAST		GENITO-URINARY ORGANS		OTHER AND UNSPECIFIED SITES		LYMPHATIC AND HAEMATOPOIETIC TISSUE	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
SOUTH DAKOTA	1271	184	23	3	383	55	259	37	134	19	219	32	120	17	133	19
AURORA	6	165	-	-	2	55	-	-	1	28	-	-	1	28	2	55
BEADLE	47	245	-	-	17	89	9	47	5	26	5	26	4	21	7	36
BENNETT	3	99	-	-	1	33	-	-	-	-	1	33	1	33	-	-
BON HOMME	17	211	1	12	5	62	4	50	1	12	3	37	2	25	1	12
BROOKINGS	32	132	-	-	10	41	6	25	3	12	8	33	1	4	4	16
BROWN	63	170	3	8	24	65	11	30	6	16	7	19	3	8	9	24
BRULE	9	172	-	-	5	95	3	57	-	-	1	19	-	-	-	-
BUFFALO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BUTTE	13	155	-	-	3	36	4	48	-	-	2	24	3	36	1	12
CAMPBELL	8	357	-	-	1	46	1	46	1	46	2	89	2	89	1	46
CHARLES MIX	29	300	-	-	7	72	5	52	3	31	5	52	6	62	3	31
CLARK	10	204	-	-	5	102	2	41	-	-	1	20	1	20	1	20
CLAY	20	146	-	-	1	7	5	37	2	15	5	37	4	29	3	22
CODINGTON	46	220	2	10	14	67	7	34	2	10	8	38	7	34	6	29
CORSON	13	250	-	-	4	77	2	38	2	38	2	38	2	38	1	19
CUSTER	9	150	-	-	2	33	3	50	1	17	1	17	-	-	2	33
DAVISON	38	213	1	6	15	84	7	39	4	22	6	15	2	11	3	17
DAY	13	160	-	-	3	37	1	12	2	25	2	25	2	25	3	37
DEUEL	10	189	-	-	4	76	1	19	-	-	1	19	1	19	3	57
DEWEY	8	149	-	-	2	37	2	37	-	-	1	19	3	56	-	-
DOUGLAS	6	144	-	-	-	-	-	-	2	48	3	72	1	24	-	-
EDMUNDS	12	233	-	-	5	97	3	58	-	-	1	19	3	58	-	-
FALL RIVER	22	261	1	12	7	83	6	71	4	47	2	24	1	12	1	12
FAULK	6	180	-	-	2	60	1	30	1	30	1	30	-	-	1	30
GRANT	19	211	-	-	6	67	5	55	1	11	5	55	1	11	1	11
GREGORY	16	266	-	-	7	116	1	17	2	33	2	33	1	17	3	50
HAAKON	4	143	-	-	1	36	1	36	-	-	1	36	1	36	-	-
HAMLIN	17	323	-	-	6	114	2	38	2	38	4	76	1	19	2	38
HAND	11	222	-	-	4	81	1	20	2	40	1	20	1	20	2	40
HANSON	9	264	-	-	2	59	2	59	-	-	3	88	-	-	2	59
HARDING	3	176	-	-	1	59	1	59	-	-	-	-	1	59	-	-
HUGHES	25	176	1	7	6	42	6	42	2	14	5	35	3	21	2	14
HUTCHINSON	22	235	-	-	6	64	4	43	3	32	2	21	6	64	1	11
HYDE	5	242	-	-	1	48	2	97	-	-	-	-	-	-	2	97
JACKSON	4	116	-	-	1	29	1	29	-	-	2	58	-	-	-	-
JERAULD	6	204	-	-	3	102	1	34	1	34	-	-	-	-	1	34
JONES	4	273	-	-	1	68	-	-	-	-	3	205	-	-	-	-
KINGSBURY	27	404	1	15	5	75	3	45	7	105	6	90	4	60	1	15
LAKE	31	289	2	19	6	56	6	56	5	47	6	56	1	9	5	47
LAWRENCE	37	202	-	-	12	65	10	55	5	27	6	30	1	5	3	16
LINCOLN	20	143	1	7	8	57	3	22	2	14	4	29	1	7	1	7
LYMAN	11	285	-	-	1	26	3	78	1	26	3	78	2	52	1	26
McCOOK	26	403	-	-	7	109	7	109	1	16	6	93	1	16	4	62
McPHERSON	9	223	-	-	5	124	-	-	3	74	1	25	-	-	-	-
MARSHALL	12	222	-	-	5	93	3	56	-	-	-	-	-	-	4	74
MEADE	15	72	-	-	3	14	3	14	-	-	4	19	3	14	2	10
MELLETTE	3	133	-	-	2	89	-	-	1	44	-	-	-	-	-	-
MINER	9	241	-	-	3	80	4	107	-	-	-	-	1	27	1	27
MINNEHAHA	167	153	4	4	57	52	37	34	18	16	29	26	7	6	15	14
MOODY	11	164	-	-	3	45	3	45	-	-	3	45	2	30	-	-
PENNINGTON	114	162	3	4	31	44	24	34	18	26	20	28	9	13	9	13
PERKINS	6	128	-	-	4	85	2	43	-	-	-	-	-	-	-	-
POTTER	7	191	-	-	2	54	1	27	2	54	-	-	-	-	2	54
ROBERTS	26	238	1	9	8	73	3	27	1	9	8	73	2	18	3	27
SANBORN	8	249	-	-	3	93	-	-	-	-	2	62	3	93	-	-
SHANNON	6	53	-	-	-	-	1	9	-	-	1	9	3	26	1	9
SPINK	20	217	-	-	8	87	3	33	2	22	3	33	2	22	2	22
STANLEY	2	79	-	-	1	39	-	-	-	-	1	39	-	-	-	-
SULLY	4	201	-	-	1	50	-	-	1	50	-	-	1	50	1	5
TODD	7	96	-	-	1	14	3	41	-	-	2	27	1	14	-	-
TRIPP	15	206	1	14	5	69	3	41	2	28	3	41	-	-	1	14
TURNER	27	292	-	-	4	43	6	65	7	76	4	43	2	22	4	43
UNION	25	229	-	-	4	37	8	73	3	27	4	37	4	37	2	18
WALWORTH	13	185	-	-	1	14	3	43	1	14	3	43	4	57	1	14
YANKTON	27	142	1	5	9	47	10	53	1	5	3	16	1	5	2	11
ZIEBACH	1	43	-	-	-	-	-	-	-	-	1	43	-	-	-	-

*Rate is per 100,000 population.

FIGURE 15
SOUTH DAKOTA RESIDENT DEATHS, 1982, MALIGNANT NEOPLASMS
(Rates are the number of deaths per 1,000 population)




Hand 2.2
Grant 2.2
Spink 2.2
Davison 2.2
Codington 2.2
Tripp 2.1
Lawrence 2.1
Sully 2
Faulk 2
Jerauld 2
Clark 2
Deuel 2
Walworth 1.9
Potter 1.8
Brule 1.8
Hughes 1.8
Brown 1.7
Pennington 1.7
Dewey 1.6
Moody 1.6
Day 1.6
Butte .6
Minnehaha 1.6
Harding 1.5
Mellette 1.5
Aurora 1.5
Douglas 1.5

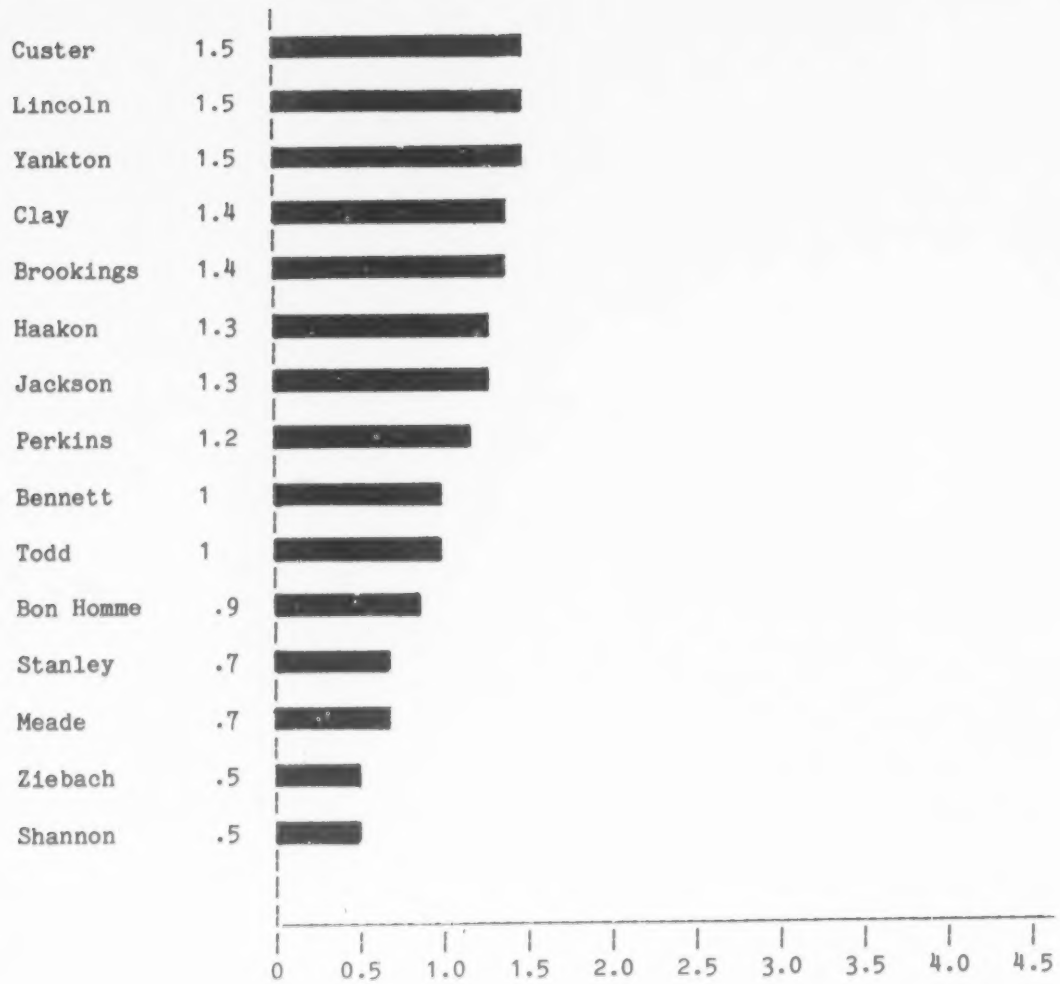
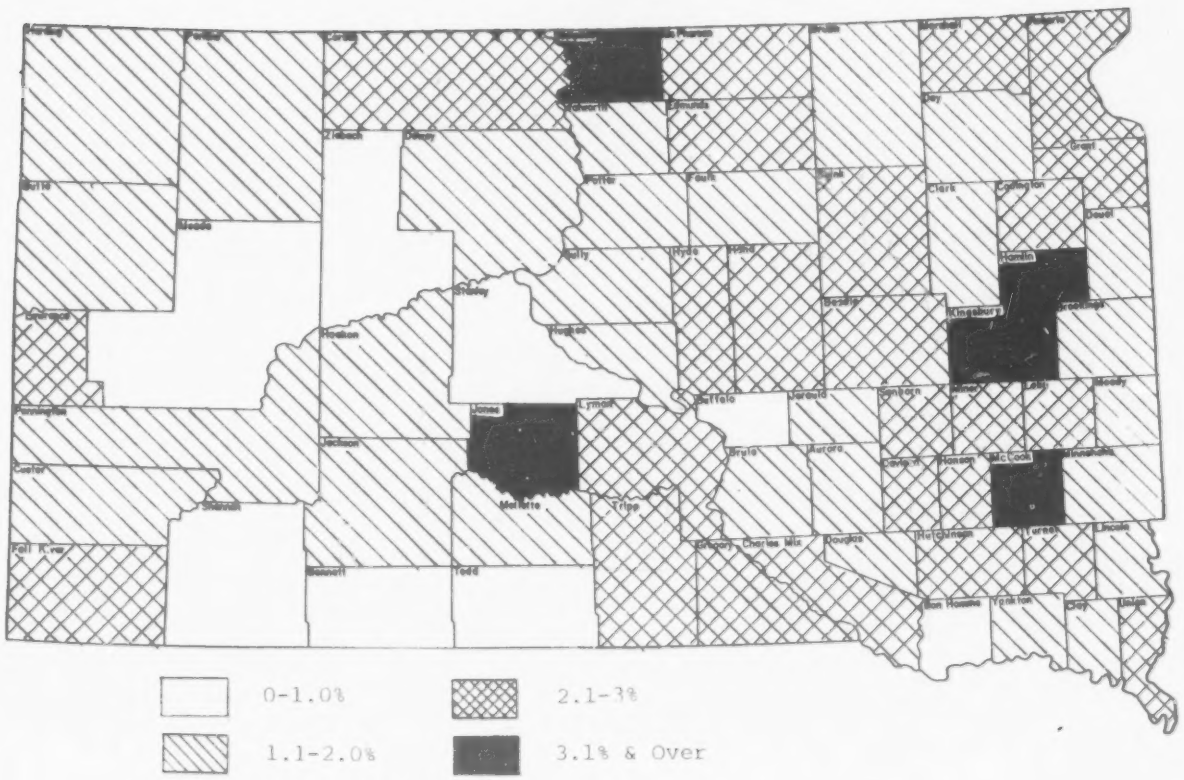

Custer 1.5
Lincoln 1.5
Yankton 1.5
Clay 1.4
Brookings 1.4
Haakon 1.3
Jackson 1.3
Perkins 1.2
Bennett 1
Todd 1
Bon Homme .9
Stanley .7
Meade .7
Ziebach .5
Shannon .5
0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

FIGURE 16

SOUTH DAKOTA RESIDENT DEATHS
By County Rate for Malignant Neoplasms, 1982



BEST AVAILABLE COPY

Suicides

The suicide rate in South Dakota remained fairly stable between 1960 and 1979 fluctuating between 7.07 and 11.41. A noticeable increase occurred in 1980 when the rate increased to 12.88. In 1982 the suicide rate reached a high of 13.75.

In 1982 72.6% of all suicides were committed by white males. Between 1960 and 1982 an average of 71.0% of all suicides were committed by males. Between 1960 and 1982 an average of 87.0% of all suicides were committed by whites, 13.0% by non-whites. Since 1970, however, the percentage of non-white suicides has increased substantially.

The suicide rate is lowest for Indian females; in 1982 only 1.1% of all suicides were Indian women. In 1982, the majority of suicides were self-inflicted injuries by firearms (55.8 percent) followed by hanging (24.2 percent).

TABLE 24
SOUTH DAKOTA SUICIDES, 1960-1982

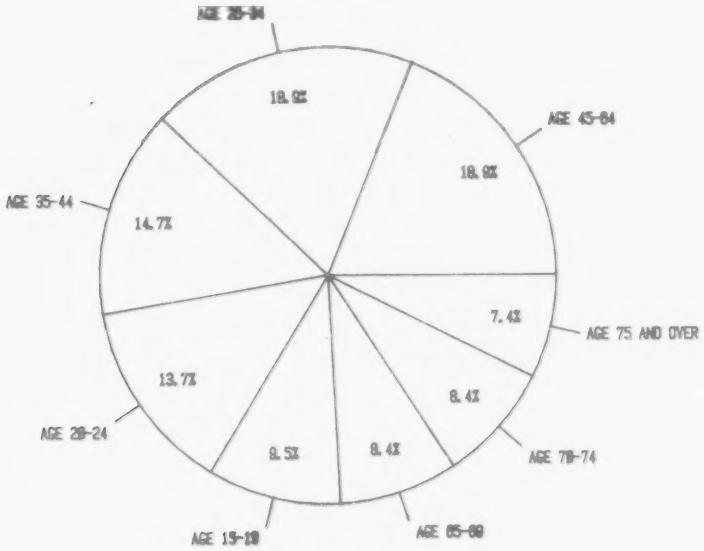
	TOTAL	% MALES	% WHITE	RATE PER 100,000	PMR
1960	69	89.9	97.1	10.10	1.04
1961	49	73.5	95.9	7.07	.79
1962	80	87.5	96.3	11.34	1.22
1963	72	80.6	94.4	10.17	1.08
1964	70	90.0	85.7	9.99	1.06
1965	62	90.3	96.8	8.96	0.95
1966	67	73.1	92.5	9.81	1.02
1967	57	77.2	96.5	8.49	0.90
1968	60	81.7	80.0	8.97	0.92
1969	63	76.2	92.1	9.43	0.93
1970	61	68.9	83.6	9.16	0.93
1971	82	72.0	80.5	12.17	1.22
1972	74	66.2	79.7	10.88	1.05
1973	53	81.1	90.6	7.77	0.80
1974	69	81.2	88.4	10.13	1.05
1975	72	81.9	84.7	10.58	1.11
1976	75	85.3	84.0	10.94	1.11
1977	74	82.4	82.4	10.76	1.18
1978	79	79.8	83.5	11.41	1.22
1979	71	84.5	87.3	10.31	1.12
1980	89	84.3	78.7	12.88	1.36
1981*	84	88.1	72.6	12.16	1.31
1982*	95	82.1	89.5	13.75	1.44

*Estimates

FIGURE 17

SOUTH DAKOTA RESIDENT SUICIDES, 1982

BY AGE GROUP



BY RACE

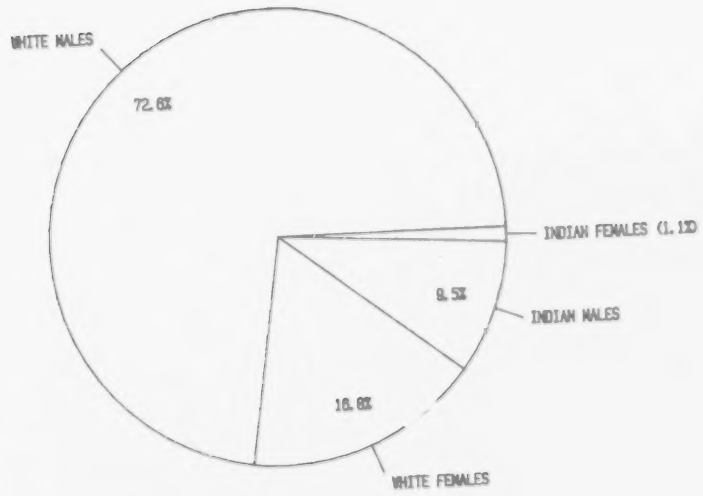


TABLE 25

EXTERNAL CAUSE OF DEATH BY LOCATION OF INJURY AND EMPLOYMENT, 1982

ICD-9 NUMBER	EXTERNAL CAUSE OF DEATH	TOTAL	LOCATION OF INJURY									
			HOME	FARM*	MINE AND QUARRY	INDUSTRIAL PLACE	RECREATION AND SPORT	STREET AND HIGHWAY	PUBLIC BUILDINGS	RESIDENTIAL INSTITUTION	OTHER SPECIFIED PLACE	UNSPECIFIED PLACE
	TOTAL	496	159	53	-	-	8	165	14	31	31	35
810-819	MOTOR VEHICLE TRAFFIC ACCIDENT	153	-	-	-	-	-	149	-	-	-	4
820-825	MOTOR VEHICLE NON-TRAFFIC ACCIDENT	8	2	4	-	-	-	-	-	-	2	-
800-807	OTHER TRANSPORT											
826-848	ACCIDENTS	17	-	8	-	-	1	1	2	-	3	2
850-869	POISONINGS	22	18	1	-	-	-	-	-	-	-	3
880-888	FALLS	52	19	2	-	-	-	1	2	19	2	7
890-899	FIRES	11	8	-	-	-	-	-	3	-	-	-
910	DROWNINGS	20	2	2	-	-	4	-	2	-	8	2
922	FIREARMS	7	5	-	-	-	-	-	-	-	-	2
	ALL OTHER ACCIDENTS	68	14	23	-	-	1	7	2	2	10	9
950-959	SUICIDES	93	62	11	-	-	-	1	2	10	4	3
960-978	HOMICIDE AND LEGAL INTERVENTION	28	19	1	-	-	1	5	1	-	2	-
980-999	UNDERTERMINED RATHER ACCIDENTAL OR SELF INFLICTED	16	10	1	-	-	1	1	-	-	-	3

*EXCLUDES FARM HOME

	EXTERNAL CAUSE OF DEATH	TOTAL	EMPLOYMENT AT TIME OF INJURY							
			NOT AT WORK	AGRICULTURE	MANUFACTURING	TRANSPORTATION AND PUBLIC UTILITIES	TRADE	SERVICE	GOVERNMENT	OTHER AND UNSPECIFIED
	TOTAL	496	424	22	1	4	2	3	3	37
810-819	MOTOR VEHICLE TRAFFIC ACCIDENT	153	139	-	1	3	-	-	-	10
820-825	MOTOR VEHICLE NON-TRAFFIC ACCIDENT	8	7	1	-	-	-	-	-	-
800-807										
826-848	OTHER TRANSPORT ACCIDENTS	17	12	-	-	-	1	1	1	2
850-869	POISONINGS	22	18	1	-	-	-	-	-	3
880-888	FALLS	52	44	1	-	-	-	-	-	7
890-899	FIRES	11	10	-	-	-	-	1	-	-
910	DROWNINGS	20	18	-	-	-	-	-	-	2
922	FIREARMS	7	6	-	-	-	-	-	-	1
	ALL OTHER ACCIDENTS	68	37	19	-	1	-	1	1	9
950-959	SUICIDES	93	91	-	-	-	-	-	-	2
960-978	HOMICIDE AND LEGAL INTERVENTION	28	27	-	-	-	1	-	1	-
980-999	UNDETERMINED RATHER ACCIDENT OR SELF INFLICTED	16	15	-	-	-	-	-	-	1

FIGURE 18

DEATHS DUE TO INJURY IN SOUTH DAKOTA
1982

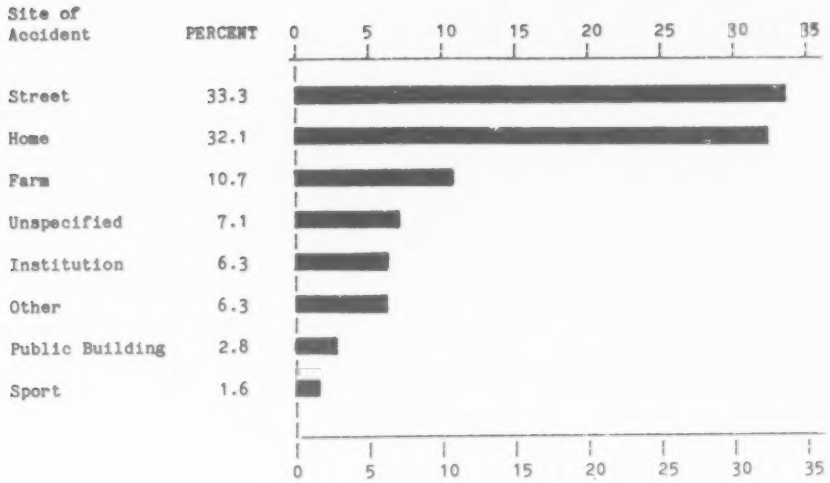


TABLE 26

DEATHS DUE TO EXTERNAL CAUSES
BY COUNTY OF INJURY
SOUTH DAKOTA, 1982

COUNTY WHERE INJURY OCCURRED	TOTAL	TRANSPORT ACCIDENTS			POISONINGS 850-869	FALLS 880-888	FIRES 890-899	DROWNINGS 910	FIREARMS 922	ALL OTHER ACCIDENTS	SUICIDES 950-959	HOMICIDES & LEGAL INTERVENTION 960-978	UNDETERMINED ACCIDENTS OR SUICIDES 980-979
		MOTOR VEHICLE TRAFFIC 810-819	MOTOR VEHICLE NON-TRAFFIC 820-825	OTHER 800-807 826-848									
SOUTH DAKOTA	496	153	8	17	22	52	11	20	7	68	93	29	16
AURORA	5	1	-	1	-	-	-	-	-	2	1	-	-
BEADLE	10	3	-	1	1	2	-	-	-	1	1	1	-
BENNETT	5	2	1	-	-	-	1	1	-	-	-	-	-
BON HOMME	5	-	-	-	-	2	-	-	-	2	1	-	-
BROOKINGS	9	5	-	-	-	-	-	-	-	1	2	-	1
BROWN	18	5	-	-	-	1	3	1	-	2	6	-	-
BRULE	4	-	-	-	-	-	-	1	-	2	1	-	-
BUFFALO	3	1	-	-	-	-	-	1	-	1	-	-	-
BUTTE	8	5	-	-	-	-	-	-	-	1	2	-	-
CAMPBELL	2	-	-	1	-	-	-	-	-	-	1	-	-
CHARLES MIX	11	5	-	-	-	2	-	-	-	3	1	-	-
CLARK	3	1	-	-	-	-	-	-	-	-	2	-	-
CLAY	3	1	-	-	-	1	-	-	-	-	1	-	-
CODINGTON	6	2	-	-	-	1	1	-	-	1	-	1	-
CORSON	8	6	-	-	-	-	-	1	-	1	-	-	-
CUSTER	8	4	-	1	-	1	-	-	-	1	-	1	-
DAVISON	12	1	-	-	-	3	1	1	-	1	4	-	1
DAY	7	6	-	-	-	-	-	-	-	-	1	-	-
DEUEL	1	-	-	-	-	-	-	-	-	-	-	-	1
DEWEY	8	2	-	-	-	-	1	-	-	1	4	-	-
DOUGLAS	-	-	-	-	-	-	-	-	-	-	-	-	-
EDMUNDS	1	-	1	-	-	-	-	-	-	-	-	-	-
FALL RIVER	9	4	-	-	1	1	-	-	-	2	1	-	-
FAULK	2	-	-	-	-	1	-	-	-	1	-	-	-
GRANT	4	-	-	2	-	-	-	-	-	1	1	-	-
GREGORY	5	-	-	-	-	1	-	-	-	2	-	2	-
HAAKON	1	-	-	-	-	-	-	-	-	-	1	-	-
HAMLIN	7	1	-	5	-	-	-	-	-	-	1	-	-
HAND	-	-	-	-	-	-	-	-	-	-	-	-	-
HANSON	2	1	-	-	-	-	-	1	-	-	-	-	-
HARDING	-	-	-	-	-	-	-	-	-	-	-	-	-
HUGHES	9	2	1	-	-	4	-	-	-	-	1	1	-
HUTCHINSON	6	1	-	-	-	-	-	-	-	-	5	-	-
HYDE	1	-	-	-	-	-	-	-	-	-	1	-	-
JACKSON	9	6	-	-	-	-	-	-	-	2	1	-	-
JERAULD	2	-	-	-	-	1	-	-	-	1	-	-	-
JONES	-	-	-	-	-	-	-	-	-	-	-	-	-
KINGSBURY	4	2	-	-	-	1	-	-	-	-	1	-	-
LAKE	1	-	-	-	-	-	-	-	-	-	1	-	-
LAWRENCE	24	5	-	-	6	4	1	-	-	2	4	2	-
LINCOLN	12	7	-	-	-	-	-	-	-	-	4	1	-
LYMAN	5	-	-	-	-	1	-	-	-	1	-	1	2
McCOOK	-	-	-	-	-	-	-	-	-	-	-	-	-
McPHERSON	5	1	-	-	-	-	-	-	-	3	1	-	-
MARSHALL	9	3	-	-	-	3	-	1	-	-	2	-	-
MEADE	15	2	-	1	-	3	-	-	2	1	6	-	-
MELLETTE	5	2	-	-	-	-	-	1	-	1	-	-	1
MINER	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNEHAHA	41	9	-	2	5	6	-	2	-	5	8	1	3
MOODY	4	1	-	-	-	-	-	-	-	1	2	-	-
PENNINGTON	62	24	1	1	3	3	2	2	2	5	10	7	2
PERKINS	1	1	-	-	-	-	-	-	-	-	-	-	-
POTTER	1	-	-	-	-	-	-	-	-	-	1	-	-
ROBERTS	11	3	1	-	-	-	-	-	-	2	3	2	-
SANBORN	3	2	-	-	-	-	-	-	-	1	-	-	-
SHANNON	19	6	-	-	-	1	-	-	-	2	2	7	1
SPINK	3	2	-	-	-	-	-	-	-	-	1	-	-
STANLEY	2	1	-	-	-	-	-	-	-	1	-	-	-
SULLY	4	1	-	-	2	-	-	-	-	1	-	-	-
TODD	9	3	1	-	-	-	1	3	-	-	1	-	-
TRIPP	7	2	-	-	-	-	-	2	-	1	1	-	1
TURNER	10	4	-	-	1	1	-	-	1	2	1	-	-
UNION	2	-	-	-	-	1	-	-	-	-	1	-	-
WALWORTH	8	5	-	-	-	-	-	1	-	1	-	1	-
YANKTON	5	2	-	-	-	1	-	-	-	1	1	-	-
ZIEBACH	4	-	2	-	-	-	-	-	-	-	1	1	-
UNKNOWN	26	-	-	2	3	6	-	1	2	8	1	-	3

TABLE 27

DEATHS FROM SELECTED EXTERNAL CAUSES BY RACE AND SEX
SOUTH DAKOTA, 1982

	TOTAL				WHITE				INDIAN				OTHER			
	MALE		FEMALE		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
TOTAL	358	105.2	138	39.4	282	89.4	106	32.7	75	341.2	32	129.3	1	29.8	-	-
MOTOR VEHICLE ACCIDENTS (810-819)	105	30.8	48	13.7	79	25.1	34	10.5	25	113.7	14	61.0	1	29.8	-	-
MOTOR VEHICLE NONTRAFFIC ACCIDENTS (820-825)	4	1.2	4	1.1	3	1.0	2	0.6	1	4.5	2	8.7	-	-	-	-
OTHER TRANSPORT ACCIDENTS (800-807, 826-848)	13	3.8	4	1.1	13	4.1	4	1.2	-	-	-	-	-	-	-	-
POISONINGS (850-869)	15	4.4	7	2.0	13	4.1	6	1.8	2	9.1	1	4.4	-	-	-	-
FALLS (880-888)	30	8.8	22	6.3	28	8.9	21	6.5	2	9.1	1	4.4	-	-	-	-
FIRES (890-899)	6	1.8	5	1.4	4	1.3	4	1.2	2	9.1	1	4.4	-	-	-	-
DROWNINGS (910)	17	5.0	3	0.9	8	2.5	3	0.9	9	40.9	-	-	-	-	-	-
FIREARMS (922)	7	2.1	-	-	6	1.9	-	-	1	4.5	-	-	-	-	-	-
ALL OTHER ACCIDENTS (870-879, 900-909, 911-921, 923-949)	56	16.4	12	3.4	45	14.3	9	2.8	11	50.0	3	13.1	-	-	-	-
SUICIDES (950-959)	77	22.6	16	4.6	68	21.6	15	4.6	9	40.9	1	4.4	-	-	-	-
HOMICIDES & LEGAL INTERVENTION (960-978)	14	4.1	15	4.3	8	2.5	6	1.8	6	27.3	9	39.2	-	-	-	-
UNDETERMINED WHETHER ACCIDENT OR SUICIDE (980-989)	14	4.1	2	0.6	7	2.2	2	0.6	7	31.8	-	-	-	-	-	-

Rates are for 100,000 population.

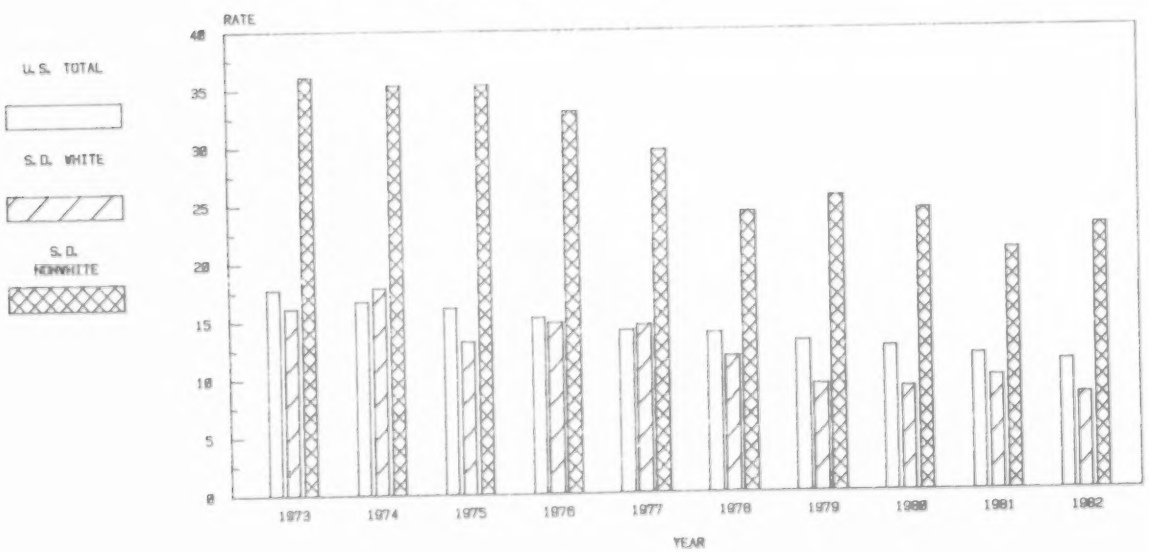
Infant Mortality

For many years, the infant death rate was the mark by which the health status of nations was measured and compared. Infant mortality was separated from other mortality because it pertained to a special high risk group and was specifically used to measure infant health. Infant health was thought to reflect the health condition of the general populace. It is now recognized that infant mortality rates are useful to reflect infant and maternal health status but not the overall health status of a community or nation.

Infant deaths, both nationally and in South Dakota, have declined rapidly during the twentieth century. In 1930, South Dakota's infant death rate of 55.8 was lower than the national rate of 66.0. In 1960, the U.S. infant death rate had declined to 26.0 and South Dakota's to 28.1. Since 1970, infant mortality rates in South Dakota, although generally higher and more fluctuating than the U.S. rates, have paralleled the national downward trend. By 1978, the rates were almost equivalent at 13.4 for South Dakota and 13.8 for the nation. In 1979, South Dakota's infant mortality rate (11.3) fell below the U.S. rate (13.1). The South Dakota rate has continued to remain below the U.S. rate since that time and reached a rate of 10.2 in 1982 compared to a U.S. rate of 11.2. Between 1960 and 1980, South Dakota's infant mortality rate declined 61.2% compared to a 51.9% decline for the U.S.

Between 1973 and 1982 South Dakota white infant mortality rate declined 49.1 percent compared to a decline of 36.6 percent for non-white infants. Even though infant mortality has declined significantly for both groups, the non-white infant mortality rate remains more than twice that of the white infant mortality rate.

FIGURE 19
INFANT DEATH RATES, U.S. AND S.D.
By Race, 1973-198



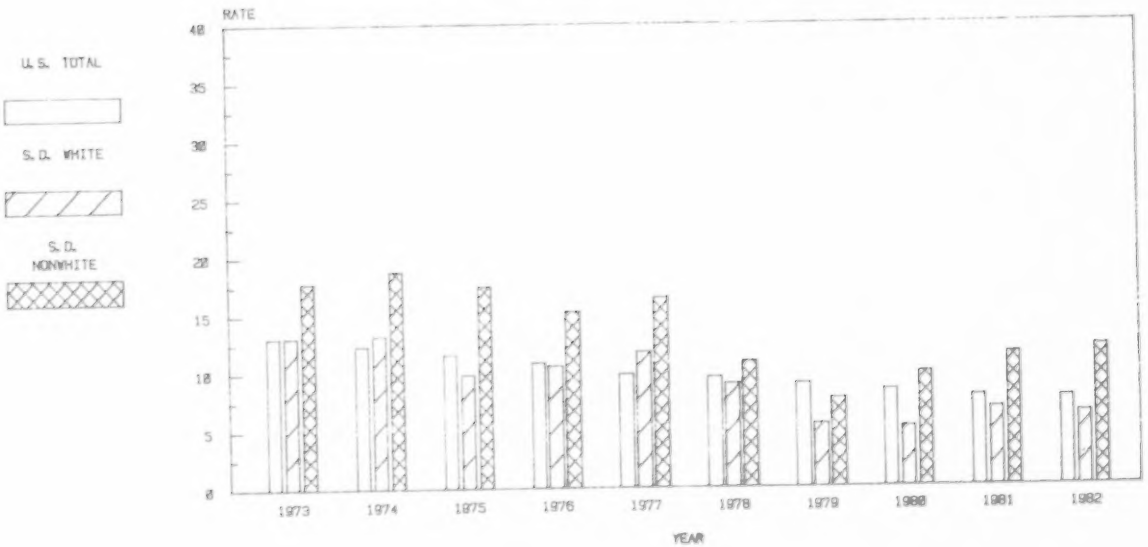
White infant deaths are predominately neonatal deaths. No such distinction is evident for non-white infants. In 1982, white infant deaths occurred at a rate of 6.3 during the neonatal period and a rate of 1.9 during the post-neonatal period; non-white infant death rates occurred at a rate of 12.0 during the neonatal period and a rate of 10.9 during the post-neonatal period.

Between 1973 and 1982, the neonatal death rate declined 51.5 percent for whites compared to 32.2 percent for non-whites and the post-neonatal death rate declined 38.7 percent for whites compared to 40.8 percent for non-white.

In 1973 the non-white neonatal death rate was 1.4 times higher than the white rate; in 1982 the non-white neonatal death rate was 1.9 times higher than the white rate. The non-white neonatal death rate continued to decline between 1973 and 1979 and than began to increase significantly. During the ten year period from 1973-1982, 77.8 percent of all white infant deaths occurred during the neonatal period compared to 52.5 percent of the non-white infant deaths.

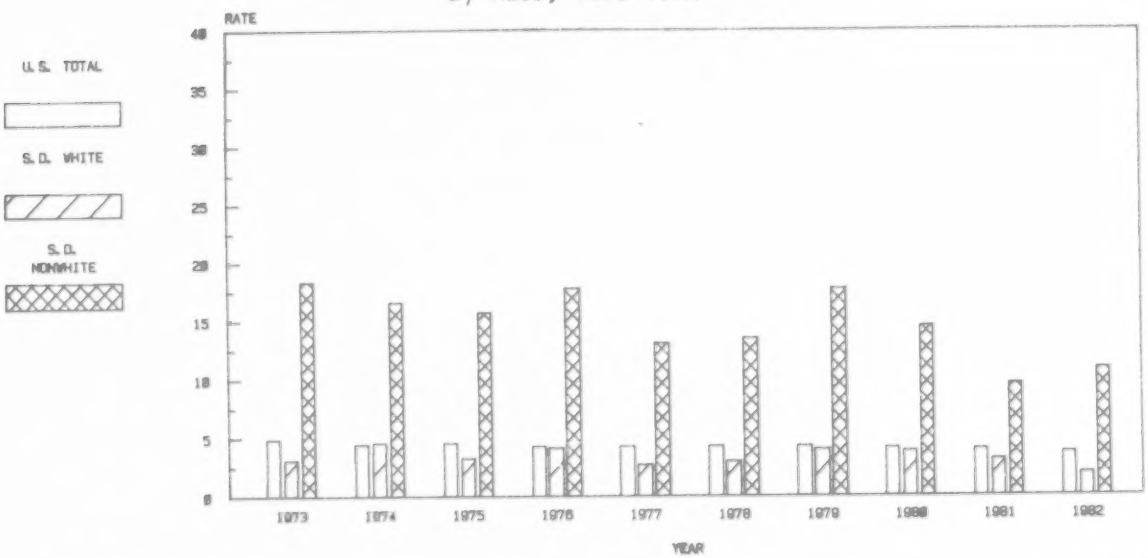
FIGURE 20

NEONATAL DEATH RATES, U.S. AND S.D.
By Race, 1973-1982



Although the proportional decline in post neonatal death rates was relatively equivalent for whites and non-whites between 1973 and 1982, the non-white rate remained 5.7 times higher than the white rate in 1982. In 1973 the non-white post-neonatal rate was 5.9 times higher than the white rate.

FIGURE 21
POST-NEONATAL DEATH RATES, U.S. AND S.D.
By Race, 1973-1982



The leading causes of infant deaths has remained relatively stable. Deaths due to premature birth comprise more than one-third of all infant deaths with the majority of those deaths occurring in the first six days of life. In 1982, 54% of all infant deaths in the State occurred during the first six days of life.

Below is a table showing the causes of infant deaths, by age of the infants, for 1982. (Table A-3 in the Appendix shows Infant Deaths by Age and Cause with no adjustment for premature birth).

TABLE 28
INFANT DEATHS BY AGE AND CAUSE
South Dakota, 1982

ICD Code	Cause of Death	Total	Birth-6 days	7-27 days	28 days-1 yr.
760,761,765,769 770,772,777	Premature Birth	48	40	6	2
798	Sudden Infant Death Syndrome	24	1	4	19
740-759	Congenital Anomalies	18	11	3	4
390-459, 520-579, 580-629	Diseases of Circulatory, Digestive or Genitourinary System	8	3	3	2
762,763,771,778 779	Other Conditions Originating in the Perinatal Period	8	8		
1-139	Infectious & Parasitic Diseases	5			5
320-389	Diseases of the Nervous System	4		1	3
800-999	Injuries & Poisonings	3		1	2
768	Intrauterine Hypoxia & Birth Asphyxia	2	1	1	
460-519, 770	Other Respiratory Conditions and Diseases	4	2		2
767	Birth Trauma	2	2		
768	Respiratory Distress Syndrome	3	3		
240-279	Endocrine, Nutritional & Metabolic Diseases	1			1
710-739	Diseases of the Musculo-Skeletal System	1		1	
	TOTALS	131	71	20	40
	Percent of Total	100%	54%	15%	31%

The two leading causes of infant mortality were the same among the white and Indian populations in 1982, i.e., premature birth and SIDS. The striking difference in infant mortality data between the white and Indian populations is the ages of the infants when they die. While 61% of all infant deaths among the white population occur during the first six days of life, only 39% of the Indian infant deaths occur during the same time period. One-half (50%) of the deaths occurring to Indian infants in 1982 occurred during the postneonatal period (28 days - 1 year). (Tables showing the causes of infant death, by racial group, by age group are in the Appendix pages 132 and 133).

If causes of infant deaths are reported strictly by the International Classification of Diseases (ICD) codes, the leading casue of infant mortality would be the broad classification, "Other Conditions Originating in the Perinatal Period". However, many of the causes of death within this classification (e.g., Respiratory Distress Syndrome) indicate a probable underlying cause of premature birth. By closely examining the birth weight and gestational age of infants who died of these certain causes, deaths due to premature birth can more accurately be assessed. For example, the ICD codes show that 16 infant deaths occurred in 1982 due to Intrauterine Hypoxia and Birth Asphyxia. However, of these 16 deaths, 14 occurred to infants who weighed less than 2500 grams at birth. This fact strongly suggests, if not concludes, that the underlying cause of those 14 deaths was premature birth. (A more complete description of the deaths due to premature birth category may be found in the Technical Notes section of this document.)

A comparison of the five leading causes of infant deaths in 1982 with the five leading causes in the two five-year periods prior to 1982 indicates some changes. An increasingly greater percent of infant deaths due to Sudden Infant Death Syndrome has occurred since the early 1970's. It is hard to determine if this represents an actual increase in the number of SIDS or the improved reporting of SIDS deaths due to an increased awareness. 1982 was the first year that SIDS deaths have ranked as the second leading cause of infant deaths. It is interesting to note that in the later 1970's and early 1980's deaths due to accidents no longer was among the five leading causes of deaths for infants.

TABLE 29

FIVE LEADING CAUSES OF INFANT DEATHS
South Dakota, 1982

Cause	% of Total Infant Deaths
Premature Birth	36.6%
Sudden Infant Death Syndrome	18.3%
Congenital Anomalies	13.7%
Diseases of Circulatroy, Digestive & Genitonurinary System	6.1%
Infectious & Parasitic Diseases	3.8%

FIVE LEADING CAUSES OF INFANT DEATHS
South Dakota, 1972-1976 and 1977-1982

1972-1976		1977-1981	
Cause	% of Total Infant Deaths	Cause	% of Total Infant Deaths
Premature Birth	36.7	Premature Birth	33.2
Congenital Anomalies	18.3	Congenital Anomalies	20.3
Dis. of the Resp. Sys.	8.8	Sudden Infant Death Syn.	13.0
Sudden Infant Death Syn.	5.1	Dis. of the Resp. Sys.	4.4
Accidents	4.0	Dis. of the Circulatory Digestive & Genitourinary System	4.0

Various factors have been found to have an effect on infant deaths, such as, low birth weight, prenatal care, marital status of the mother and age of the mother. Of all factors that appear to have an effect on infant deaths, many studies have pointed to low-birth weight as having the highest correlation. Figures on infant deaths in South Dakota substantiate this correlation. A low-birth weight is any weight less than 2500 grams or (5 lbs. 8 oz.). From 1972-1976, 6.1% of all births were low-weight births. This small percentage accounted for 55.8% of the infant deaths during that five year period. Figures for 1977-1981 are much the same, 5.2% of the births were low-weight resulting in 49.6% of the total infant deaths. One fact that stands out is that although Native Americans have a slightly higher percentage of low- weight births, they have a noticeably lower percentage of infant deaths occurring to low-weight infants. From 1977-1981, 6-8% of all Native American births were low-weight but only 40.0% of the infants who died had a low-birth weight. For whites, comparable figures are 5% and 52.7% respectively.

Fetal Deaths

Prior to July 1, 1977, vital statistics, for record keeping purposes, defined a fetal death as any death of a human fetus which has passed through at least the 20th week of gestation prior to its complete expulsion from the mother; the fetus shows no sign of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. As of July 1, 1977, state law requires a fetal death report for each fetal death in which the fetus exceeds five hundred grams of weight and which is not an abortion to be filed with the Secretary of Health.

When the change was made, a drop in the fetal death rate occurred. Whether this drop was attributable to the change in reporting requirements is not known. Since that time, there has been a general decline in the fetal death rate.

Requirements for registering fetal deaths vary from place to place. Requirements also change from time to time as witnessed by the laws in South Dakota. Some fetal deaths are not reported. All these factors contribute to significant problems in the comparison of fetal death rates from area to area and should be taken into consideration.

From 1940 to 1975 South Dakota's fetal death rate has consistently been below the national rate. In 1940, South Dakota's fetal death rate was 17.8 compared to a national rate of 30.0. By 1975, the rates were almost the same at 10.6 and 10.7 respectively. In 1978, South Dakota's fetal death rate had declined to 7.9, and the decline continued reaching a low of 5.6 in 1981. The fetal death rate for 1982 was 6.3.

The fetal death rate of non-whites, like the rates previously discussed, is substantially higher than the rate for whites. In 1982, the non-white fetal death rate (9.5) was 42% higher than the rate for whites (6.0).

TABLE 30

FETAL DEATH RATES BY RACE
South Dakota: 1975-1982

	White	Non-White	Total
1975	9.8	16.3	10.6
1976	8.4	8.5	8.4
1977	7.9	14.9	8.8
1978	7.5	10.7	7.9
1979	7.5	14.4	8.3
1980	6.8	7.5	6.9
1981	5.1	8.9	5.6
1982	6.0	8.5	6.3

TABLE 31

RESIDENT INFANT & FETAL DEATHS: SOUTH DAKOTA
1960-1982

YEAR	INFANT DEATH		FETAL DEATHS		BIRTHS		INFANT DEATH RATE		FETAL DEATH RATE	
	WHITE	NON-WHITE	WHITE	NON-WHITE	WHITE	NON-WHITE	WHITE	NON WHITE	WHITE	NON-WHITE
1982	91	40	67	15	11,089	1,750	8.2	22.9	6.0	8.6
1981	108	19	57	15	11,050	1,675	9.8	11.3	5.2	9.0
1980	103	42	79	13	11,531	1,725	8.9	24.3	6.9	7.5
1979	105	41	70	19	11,398	1,575	9.2	26.0	6.1	12.1
1978	127	36	81	16	10,591	1,612	12.0	22.3	7.6	9.8
1977	153	42	85	22	10,494	1,575	14.6	26.7	8.0	13.8
1976	149	50	86	13	10,145	1,510	14.7	33.1	8.5	7.9
1975	131	47	98	23	9,915	1,379	13.2	34.1	9.9	15.5
1974	174	45	95	16	9,735	1,440	17.9	31.3	9.5	12.0
1973	149	47	84	19	9,257	1,449	16.1	32.4	8.9	13.9
1972	173	52	111	27	9,510	1,345	18.2	38.7	11.5	20.5
1971	172	44	109	30	10,245	1,389	16.8	31.7	10.5	21.1
1970	177	51	116	28	10,355	1,362	17.1	37.4	11.0	21.2
1969	189	37	98	23	10,111	1,330	18.7	27.8	9.7	17.3
1968	192	41	115	30	10,132	1,276	18.9	32.1	11.4	23.5
1967	208	44	129	32	10,162	1,262	20.5	34.9	12.7	25.4
1966	249	60	138	27	11,212	1,322	22.2	45.4	12.3	20.4
1965	243	72	163	28	12,146	1,437	20.0	50.1	13.2	19.5
1964	293	57	162	26	14,150	1,477	20.7	38.6	11.4	17.6
1963	346	67	*	*	15,293	1,418	22.6	47.2	*	*
1962	362	72	*	*	15,791	1,367	22.9	52.7	*	*
1961	336	73	*	*	16,140	1,411	20.8	51.7	*	*
1960	392	102	*	*	16,304	1,290	24.0	79.1	*	*

*Data unavailable for these years.

TABLE 32

INFANT AND NEONATAL DEATHS BY COUNTY OF RESIDENCE, BY RACE
SOUTH DAKOTA, 1982

	DEATHS UNDER 1 YEAR				DEATHS UNDER 28 DAYS			
	TOTAL	WHITE	INDIAN	OTHER	TOTAL	WHITE	INDIAN	OTHER
SOUTH DAKOTA	131	91	37	3	91	70	19	2
AURORA	-	-	-	-	-	-	-	-
BEADLE	1	1	-	-	-	-	-	-
BENNETT	-	-	-	-	-	-	-	-
BON HOMME	3	2	1	-	2	2	-	-
BROOKINGS	5	4	-	1	4	4	-	-
BROWN	3	2	1	-	3	2	1	-
BRULE	-	-	-	-	-	-	-	-
BUFFALO	1	-	1	-	1	-	1	-
BUTTE	2	2	-	-	2	2	-	-
CAMPBELL	-	-	-	-	-	-	-	-
CHARLES MIX	1	1	-	-	-	-	-	-
CLARK	1	1	-	-	-	-	-	-
CLAY	-	-	-	-	1	1	-	-
CODINGTON	4	4	-	-	3	3	-	-
CORSON	3	1	2	-	3	1	2	-
CUSTER	1	1	-	-	-	-	-	-
DAVISION	-	-	-	-	-	-	-	-
DAY	1	-	1	-	-	-	-	-
DEUEL	3	3	-	-	2	2	-	-
DEWEY	3	1	2	-	-	-	-	-
DOUGLAS	1	1	-	-	1	1	-	-
EDMUNDS	-	-	-	-	-	-	-	-
FALL RIVER	-	-	-	-	-	-	-	-
FAULK	-	-	-	-	-	-	-	-
GRANT	2	2	-	-	2	2	-	-
GREGORY	2	1	1	-	2	1	1	-
HAAKON	-	-	-	-	-	-	-	-
HAMLIN	1	1	-	-	-	-	-	-
HAND	2	2	-	-	2	2	-	-
HANSON	-	-	-	-	-	-	-	-
HARDING	1	1	-	-	1	1	-	-
HUGHES	6	5	1	-	4	3	1	-
HUTCHINSON	2	2	-	-	2	2	-	-
HYDE	-	-	-	-	-	-	-	-
JACKSON	1	-	1	-	1	-	1	-
JERAULD	-	-	-	-	-	-	-	-
JONES	-	-	-	-	-	-	-	-
KINGSBURY	4	3	-	1	4	3	-	1
LAKE	2	2	-	-	2	2	-	-
LAWRENCE	4	4	-	-	2	2	-	-
LINCOLN	4	4	-	-	4	4	-	-
LYMAN	1	-	1	-	-	-	-	-
MCCOOK	1	1	-	-	-	-	-	-
MCPHERSON	1	1	-	-	1	1	-	-
MARSHALL	1	1	-	-	1	1	-	-
MEADE	2	2	-	-	1	1	-	-
MELLETTE	-	-	-	-	-	-	-	-
MINER	-	-	-	-	-	-	-	-
MINNEHAHA	13	13	-	-	10	10	-	-
MOODY	-	-	-	-	-	-	-	-
PENNINGTON	17	12	4	1	11	8	2	1
PERKINS	1	1	-	-	1	1	-	-
POTTER	1	1	-	-	1	1	-	-
ROBERTS	2	-	2	-	-	-	-	-
SANBORN	-	-	-	-	-	-	-	-
SHANNON	15	-	15	-	9	-	9	-
SPINK	-	-	-	-	-	-	-	-
STANLEY	-	-	-	-	-	-	-	-
SULLY	-	-	-	-	-	-	-	-
TODD	3	-	3	-	1	-	1	-
TRIPP	1	1	-	-	1	1	-	-
TURNER	2	2	-	-	2	2	-	-
UNION	1	1	-	-	1	1	-	-
WALWORTH	-	-	-	-	-	-	-	-
WASHABAUGH	-	-	-	-	-	-	-	-
YANKTON	3	3	-	-	3	3	-	-
ZIEBACH	2	1	1	-	3	3	-	-

TABLE 33

FETAL DEATH BY COUNTY OF MOTHERS RESIDENCE, RACE AND AGE, 1982

MOTHER'S RESIDENT COUNTY	TOTAL	RACE OF MOTHER			AGE OF MOTHER						
		WHITE	INDIAN	OTHER	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	UNKNOWN
TOTAL	82	67	14	1	10	22	22	19	6	1	2
BEADLE	3	3	-	-	-	-	3	-	-	-	-
BENNETT	2	-	2	-	-	1	-	-	1	-	-
BROOKINGS	3	3	-	-	-	1	-	2	-	-	-
BROWN	10	9	1	-	3	4	2	-	-	1	-
BRULE	1	-	1	-	-	-	1	-	-	-	-
BUFFALO	2	-	2	-	-	1	-	1	-	-	-
BUTTE	1	1	-	-	-	-	1	-	-	-	-
CLAY	1	1	-	-	-	-	-	1	-	-	-
CODINGTON	3	3	-	-	-	1	-	2	-	-	-
DAVISON	1	-	1	-	-	-	-	1	-	-	-
DEUEL	1	1	-	-	-	1	-	-	-	-	-
DEWEY	1	1	-	-	-	-	-	1	-	-	-
DOUGLAS	2	2	-	-	1	1	-	-	-	-	-
EDMUNDS	1	1	-	-	-	-	-	1	-	-	-
GRANT	1	1	-	-	-	-	-	1	-	-	-
GREGORY	1	1	-	-	-	1	-	-	-	-	-
HAMLIN	1	1	-	-	1	-	-	-	-	-	-
HARDING	1	1	-	-	-	-	-	1	-	-	-
HUGHES	1	-	1	-	-	1	-	-	-	-	-
HUTCHINSON	1	1	-	-	-	-	1	-	-	-	-
KINGSBURY	1	1	-	-	-	-	1	-	-	-	-
LAWRENCE	2	2	-	-	-	-	-	2	-	-	-
MCCOOK	2	2	-	-	1	-	-	-	-	-	1
MEADE	4	3	-	1	-	2	1	1	-	-	-
MINER	1	1	-	-	-	-	1	-	-	-	-
MINNEHAHA	12	11	1	-	1	1	6	1	2	-	1
MOODY	1	1	-	-	-	-	1	-	-	-	-
PENNINGTON	7	7	-	-	2	2	1	2	-	-	-
SANBORN	1	1	-	-	-	-	1	-	-	-	-
SHANNON	4	-	4	-	1	1	-	-	2	-	-
SPINK	2	2	-	-	-	1	1	-	-	-	-
TODD	1	-	1	-	-	1	-	-	-	-	-
TRIPP	3	3	-	-	-	1	-	2	-	-	-
TURNER	1	1	-	-	-	-	1	-	-	-	-
YANKTON	2	2	-	-	-	1	-	-	1	-	-

FETAL DEATHS OF 20 OR MORE WEEKS OF GESTATION.

TABLE 34

RESIDENT FETAL DEATHS BY
CAUSE BY WEEKS OF GESTATION, 1982

		PHYSICIAN'S ESTIMATE OF GESTATION			
	TOTAL	20 - 27 WEEKS	28 - 35 WEEKS	36 - 39 WEEKS	40 WEEKS OR MORE
TOTAL	82	16	16	19	31
ANENCEPHALUS	1	1	-	-	-
SPINA BIFIDA	1	1	-	-	-
REDUCTION DEFORMITIES OF BRAIN	1	-	-	1	-
OTHER SPECIFIED ANOMALIES OF HEART	1	-	-	-	1
UNSPECIFIED ANOMALIES OF HEART	1	1	-	-	-
MULTIPLE CONGENITAL ANOMALIES	2	-	1	1	-
MATERNAL HYPERTENSIVE DISORDERS	2	-	2	-	-
OTHER MATERNAL CONDITIONS	1	-	-	-	1
PREMATURE RUPTURE OF MEMBRANES	1	-	1	-	-
PLACENTA PREVIA	1	-	1	-	-
OTHER FORMS OF PLACENTAL SEPARATION & HEMORRAGE	6	3	1	2	-
OTHER AND UNSPECIFIED ABNORMALITIES OF PLACENTA	8	1	1	4	2
OTHER COMPRESSION	8	-	3	-	5
OTHER AND UNSPECIFIED ABNORMALITES OF UMBILICAL CORD	12	1	-	1	10
CHORIOAMNIONITIS	2	-	1	-	1
OTHER MALPRESENTATION DURING LABOR AND DELIVERY	1	-	-	1	-
OTHER COMPLICATIONS OF LABOUR AND DELIVERY	3	-	-	2	1
FETAL GROWTH RETARDATION UNSPECIFIED	1	-	1	-	-
OTHER PRETERM INFANT	1	1	-	-	-
ASPHYIA OR ANOXIA	7	1	-	1	5
HAEMOLYTIC DISEASES DUE TO OTHER AND UNSPECIFIED ISOIMMUMIZATION	1	-	1	-	-
SYNDROME OF INFANT OF DIABETIC MOTHER	1	-	-	1	-
HYDROPS FETALIS NOT DUE TO ISOIMMUNIZATION	1	1	-	-	-
UNSPECIFIED CONDITION INVOLVING INTEGUMENT AND TEMPERATURE REGULATION	1	1	-	-	-
UNKNOWN CAUSE	17	4	3	5	5

MARRIAGE AND DIVORCE

MARRIAGES AND DIVORCES

A comparison of marriage rates between South Dakota and the nation reveals a fluctuating pattern through the years. Since 1960, South Dakota's marriage rate has remained higher than the nation's. The 1981 marriage rate for the Untied States was 10.6 compared to 12.5 for South Dakota. (See Appendix Table A-2).

Since 1950, a downward trend in first marriages as a portion of total marriages for both bride and groom has been evident. Remarriages have comprised an increasing number of all marriages.

Historically, the divorce rate in South Dakota has been consistently lower than the national rate. This trend continued until 1980, when the rates were 4.0 for South Dakota and 4.1 for the U.S.

Between 1950 and 1972 the marriage rate in South Dakota increased steadily reaching a high of 18.0 in 1973. Since 1973, the marriage rate has been steadily declining. The divorce rate increased substantially between the years of 1944 and 1947 and then remained relatively stable until 1972. Since 1972, the divorce rate in South Dakota has increased significantly reaching a rate of 4.1 in 1980.

Figure 22 shows the marriages and divorces in South Dakota by month for 1982.

FIGURE 22

MARRIAGES AND DIVORCES, 1982

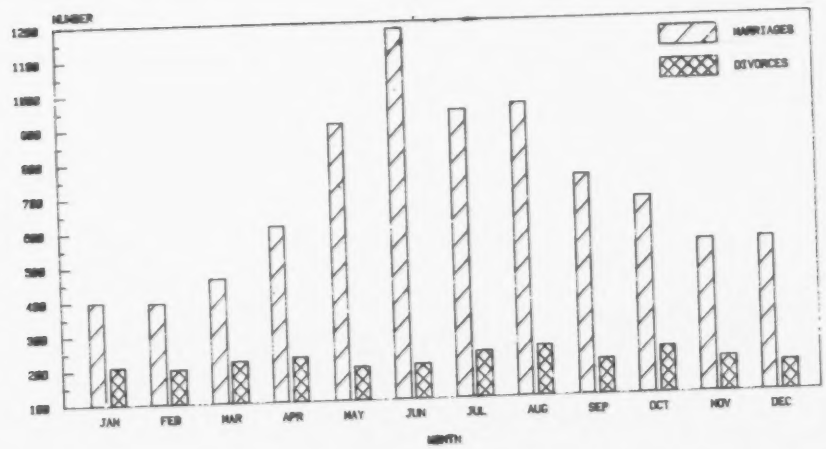
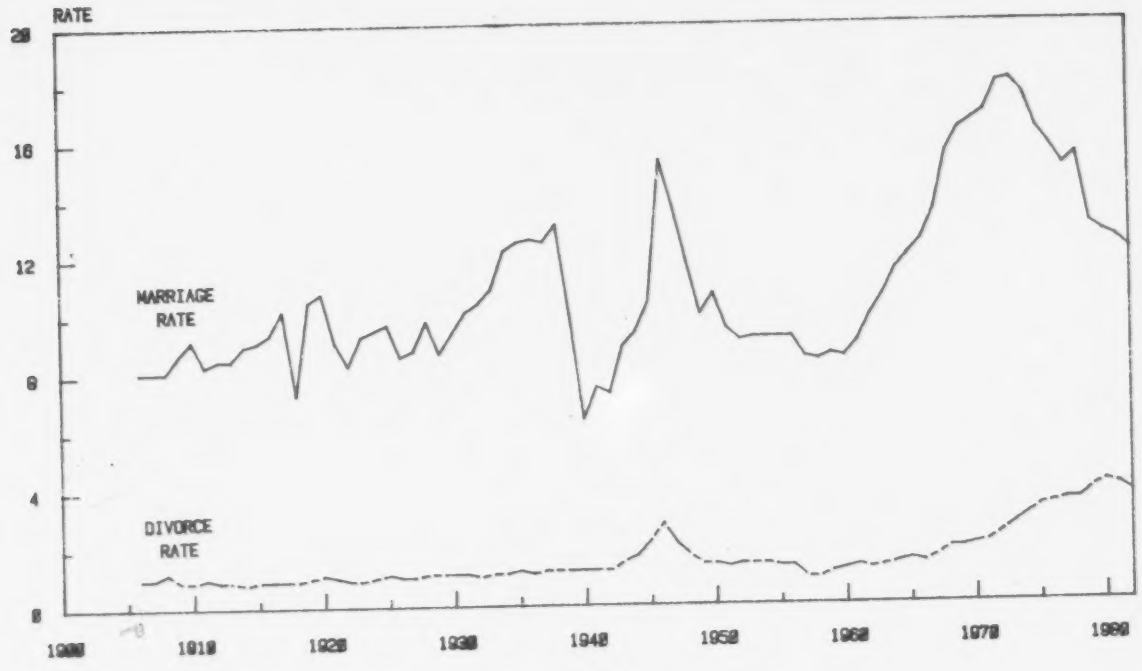


FIGURE 23
S.D. CRUDE MARRIAGE AND DIVORCE RATES 1906-1982



YEAR	MARRIAGE RATE	DIVORCE RATE	YEAR	MARRIAGE RATE	DIVORCE RATE	YEAR	MARRIAGE RATE	DIVORCE RATE
1982	12.1	3.7	1956	9.2	1.3	1930	9.4	1.1
1981	12.5	4.0	1955	9.2	1.3	1929	8.7	1.1
1980	12.7	4.1	1954	9.2	1.4	1928	9.8	1.1
1979	13.0	3.9	1953	9.2	1.4	1927	8.8	1.0
1978	15.4	3.5	1952	9.1	1.4	1926	8.6	1.0
1977	15.0	3.5	1951	9.5	1.3	1925	9.7	1.1
1976	15.7	3.4	1950	10.7	1.4	1924	9.5	1.0
1975	16.3	3.3	1949	10.0	1.4	1923	9.3	0.9
1974	17.5	3.0	1948	11.8	1.7	1922	8.3	0.9
1973	18.0	2.7	1947	13.7	2.1	1921	9.1	1.0
1972	17.9	2.4	1946	15.3	2.8	1920	10.8	1.1
1971	16.9	2.1	1945	10.4	2.2	1919	10.5	1.0
1970	16.6	2.0	1944	9.4	1.7	1918	7.3	0.9
1969	16.3	1.9	1943	8.9	1.5	1917	10.2	0.9
1968	15.5	1.9	1942	7.3	1.2	1916	9.4	0.9
1967	13.5	1.6	1941	7.5	1.2	1915	9.1	0.9
1966	12.5	1.4	1940	6.4	1.2	1914	9.0	0.8
1965	12.0	1.5	1939	10.0	1.2	1913	8.5	0.9
1964	11.5	1.4	1938	13.1	1.2	1912	8.5	0.9
1963	10.6	1.3	1937	12.5	1.2	1911	8.3	1.0
1962	9.9	1.2	1936	12.6	1.1	1910	9.2	0.9
1961	9.0	1.3	1935	12.5	1.2	1909	8.7	0.9
1960	8.5	1.2	1934	12.2	1.1	1908	8.1	1.2
1959	8.6	1.1	1933	10.9	1.1	1907	8.1	1.0
1958	8.4	0.9	1932	10.4	1.0	1906	8.1	1.0
1957	8.5	0.9	1931	10.1	1.1			

TABLE 35

MARRIAGES BY COUNTY OF OCCURRENCE
BY RESIDENCE STATUS OF BRIDE AND GROOM, 1982

COUNTY OF OCCURRENCE	TOTAL	BRIDE OUT OF STATE RESIDENCE		BRIDE SOUTH DAKOTA RESIDENCE	
		GROOM OUT OF STATE RESIDENCE	GROOM SOUTH DAKOTA RESIDENCE	GROOM OUT OF STATE RESIDENCE	GROOM SOUTH DAKOTA RESIDENCE
TOTAL	8353	2176	135	562	5480
AURORA	31	-	-	2	29
BEADLE	181	20	4	3	154
BENNETT	56	9	3	5	39
BON HOMME	61	4	2	3	52
BROOKINGS	218	41	5	17	155
BROWN	411	82	3	20	306
BRULE	45	5	3	1	36
BUFFALO	5	1	-	-	4
BUTTE	115	25	1	12	77
CAMPBELL	22	10	2	3	7
CHARLES MIX	79	12	-	3	64
CLARK	37	5	1	1	30
CLAY	145	50	2	3	90
CODINGTON	520	262	5	18	235
CORSON	40	8	2	2	28
CUSTER	100	23	1	5	71
DAVISON	240	9	3	17	211
DAY	111	27	1	7	76
DEUEL	38	6	1	-	31
DEWEY	36	4	2	2	28
DOUGLAS	42	7	1	2	32
EDMUNDS	39	6	3	3	27
FALL RIVER	117	41	1	6	69
FAULK	24	2	-	4	18
GRANT	168	97	3	9	59
GREGORY	67	10	-	5	52
HAAKON	19	3	3	2	11
HAMLIN	37	3	1	4	29
HAND	40	1	1	2	36
HANSON	16	1	-	1	14
HARDING	17	8	-	3	6
HUGHES	226	21	3	12	190
HUTCHINSON	82	10	1	8	63
HYDE	20	1	1	3	15
JACKSON	13	-	-	2	11
JERAULD	22	3	-	3	16
JONES	10	1	-	-	9
KINGSBURY	66	6	1	4	55
LAKE	91	10	1	7	73
LAWRENCE	258	71	7	15	165
LINCOLN	106	16	2	8	80
LYMAN	10	1	-	1	8
MCCOOK	52	1	-	4	47
MCPHERSON	27	6	-	2	19
MARSHALL	40	6	1	4	29
MEADE	172	28	5	12	127
MELLETTE	16	-	-	2	14
MINER	28	2	-	2	24
MINNEHAHA	1392	280	11	94	1007
MOODY	60	11	1	5	43
PENNINGTON	1184	250	23	145	766
PERKINS	45	7	1	7	30
POTTER	39	1	1	4	33
ROBERTS	270	190	7	6	67
SANBORN	20	2	-	-	18
SHANNON	11	1	-	-	10
SPINK	72	3	2	5	62
STANLEY	22	3	-	-	19
SULLY	8	1	-	1	6
TODD	11	-	-	1	10
TRIPP	74	6	-	6	62
TURNER	78	9	-	8	61
UNION	403	322	6	7	68
WALWORTH	83	20	1	4	58
YANKTON	260	105	6	15	134
ZIEBACH	5	-	-	-	5

TABLE 36

COUNTY OF MARRIAGE AND NUMBER OF LICENSES ISSUED, 1982

COUNTY	NUMBER OF LICENSES ISSUED	NUMBER OF MARRIAGES PERFORMED
AURORA	21	31
BEADLE	197	181
BENNETT	62	56
BON HOMME	44	61
BROOKINGS	266	218
BROWN	478	411
BRULE	46	45
BUFFALO	2	5
BUTTE	119	115
CAMPBELL	27	22
CHARLES MIX	61	79
CLARK	26	37
CLAY	146	145
CODINGTON	529	520
CORSON	42	40
CUSTER	83	100
DAVISON	311	240
DAY	102	111
DEUEL	30	38
DEWEY	24	36
DOUGLAS	35	42
EDMUNDS	27	39
FALL RIVER	120	117
FAULK	14	24
GRANT	179	168
GREGORY	60	67
HAAKON	21	19
HAMLIN	19	37
HAND	41	40
HANSON	9	16
HARDING	21	17
HUGHES	256	226
HUTCHINSON	57	82
HYDE	9	20
JACKSON	12	13
JERAULD	16	22
JONES	7	10
KINGSBURY	32	66
LAKE	91	91
LAWRENCE	235	258
LINCOLN	73	106
LYMAN	12	10
MCCOOK	42	52
MCPHERSON	19	27
MARSHALL	23	40
MEADE	138	172
MELLETTE	16	16
MINER	20	28
MINNEHAHA	1528	1392
MOODY	50	60
PENNINGTON	1199	1184
PERKINS	38	45
POTTER	34	39
ROBERTS	262	270
SANBORN	11	20
SHANNON	8	11
SPINK	55	72
STANLEY	27	22
SULLY	8	8
TODD	-	11
TRIPP	80	74
TURNER	52	78
UNION	394	403
WALWORTH	73	83
YANKTON	297	260
ZIEBACH	17	5

TABLE 37

MARITAL TERMINATIONS BY COUNTY
OF RESIDENCE OF PARTY TO WHOM
GRANTED, 1982

RESIDENT COUNTY	TOTAL	GRANTED TO WIFE	GRANTED TO HUSBAND
TOTAL	2564	1897	667
AURORA	2	0	2
BEADLE	91	65	26
BENNETT	8	6	2
BON HOMME	12	11	1
BROOKINGS	62	43	19
BROWN	161	126	35
BRULE	16	12	4
BUFFALO	-	-	-
BUTTE	35	29	6
CAMPBELL	2	1	1
CHARLES MIX	24	14	10
CLARK	11	7	4
CLAY	36	23	13
CODINGTON	88	74	14
CORSON	9	6	3
CUSTER	24	16	8
DAVISON	65	54	11
DAY	16	11	5
DEUEL	13	12	1
DEWEY	11	8	3
DOUGLAS	3	3	0
EDMUNDS	9	6	3
FALL RIVER	56	44	12
FAULK	3	2	1
GRANT	18	11	7
GREGORY	5	3	2
HAAKON	7	6	1
HAMLIN	10	8	2
HAND	9	7	2
HANSON	1	1	0
HARDING	6	3	3
HUGHES	85	64	21
HUTCHINSON	9	4	5
HYDE	5	4	1
JACKSON	9	7	2
JERAULD	3	3	0
JONES	3	3	0
KINGSBURY	16	13	3
LAKE	19	14	5
LAWRENCE	112	80	32
LINCOLN	36	28	8
LYMAN	6	2	4
MCCOOK	8	5	3
MCPHERSON	8	5	3
MARSHALL	12	9	3
MEADE	76	54	22
MELLETTE	2	2	0
MINER	9	8	1
MINNEHAHA	533	405	128
MOODY	8	7	1
PENNINGTON	504	349	155
PERKINS	9	6	3
POTTER	6	5	1
ROBERTS	17	15	2
SANBORN	6	5	1
SHANNON	2	1	1
SPINK	16	11	5
STANLEY	11	9	2
SULLY	4	3	1
TODD	14	11	3
TRIPP	24	17	7
TURNER	18	15	3
UNION	36	21	15
WALWORTH	19	15	4
YANKTON	82	68	14
ZIEBACH	3	1	2
OUT OF STATE	21	16	5

TABLE 38

MARITAL TERMINATIONS BY NUMBER OF CHILDREN AND AGE OF MOTHER, 1982

MOTHER'S AGE	TOTAL	NUMBER OF CHILDREN									
		NONE	1 CHILD	2 CHILDREN	3 CHILDREN	4 CHILDREN	5 CHILDREN	6 CHILDREN	7 CHILDREN	8 OR MORE	NOT STATED
TOTAL	2564	1017	716	575	190	44	15	2	1	1	3
15-19	27	11	13	3	-	-	-	-	-	-	-
20-24	150	42	78	25	5	-	-	-	-	-	-
25-29	134	33	49	42	9	1	-	-	-	-	-
30-34	97	35	12	38	9	3	-	-	-	-	1
35-39	66	13	10	25	14	3	-	-	-	-	-
40-44	41	15	9	8	5	3	1	-	-	-	-
45-49	29	12	10	3	2	1	1	-	-	-	-
50-54	17	13	3	1	-	-	-	-	-	-	-
55-59	12	11	1	-	-	-	-	-	-	-	-
60-64	4	4	-	-	-	-	-	-	-	-	-
65-69	4	4	-	-	-	-	-	-	-	-	-
75+	1	1	-	-	-	-	-	-	-	-	-
UNKNOWN	1982	823	531	430	146	33	13	2	1	1	2

INDUCED ABORTIONS

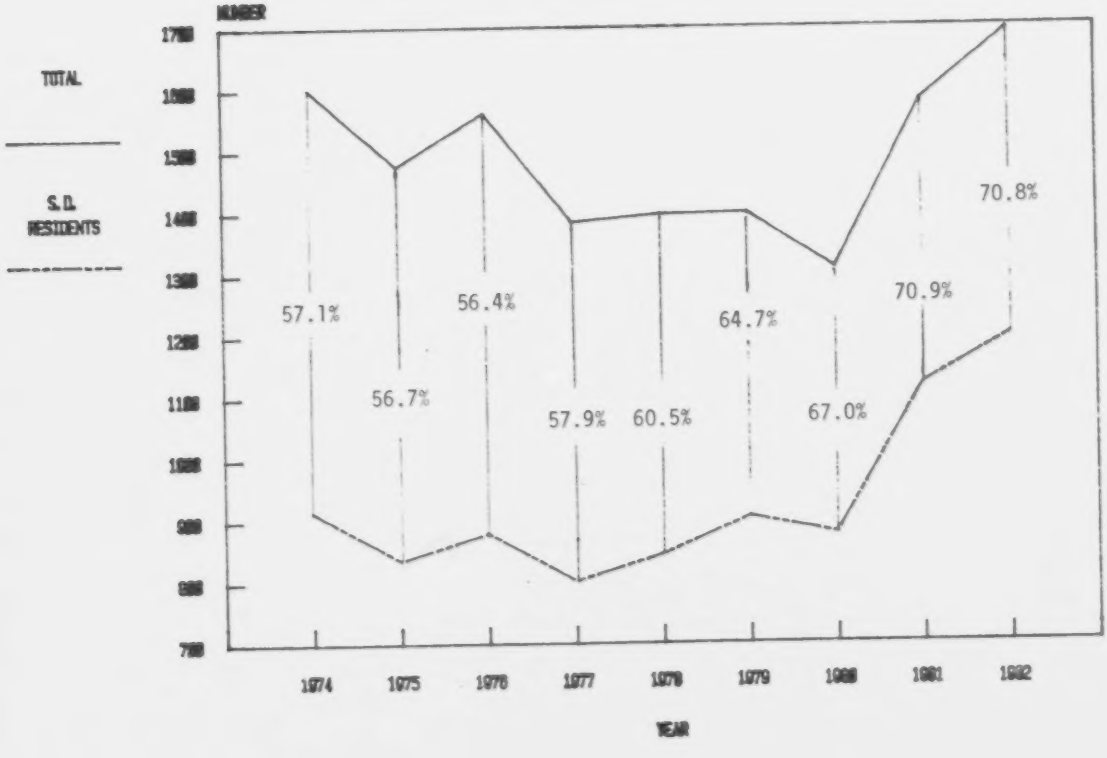
ABORTIONS

The State of South Dakota began collecting abortion data in 1973 with the first full year of data collected in 1974. Figures for 1982 stated that 1,693 induced abortions were performed in South Dakota, the highest number of induced abortions since data collection began in 1973. From 1981 to 1982, induced abortions in South Dakota increased by 7.2% with 70.8% of the abortions obtained by South Daktoa residents.

The following graph portrays the percent of induced abortions in South Dakota that were obtained by South Dakota residents from 1974 until 1982.

FIGURE 24

PERCENT OF SOUTH DAKOTA INDUCED ABORTIONS
Obtained by South Dakota Residents, 1974-1982



Residents from surrounding states accounted for 22.2% of South Dakota abortions followed by Canadian residents representing 6.1% of the total patients in 1982. Women from Wyoming and Canada represented the highest number of out-of-state residents receiving abortions in South Dakota.

Of the 1,693 women obtaining abortions, 90.7% were white and 6.2% were Native Americans. Women aged 20-24 years obtained 34% of all induced abortions followed closely by the females 15-19 years old accounting for 32.2% of the induced abortions. However, the 18, 19, and 20 year old females received the largest number of abortions, as is evidenced by the table showing single age years of induced abortions. The age breakdown for the different race groups yielded similar statistics with the Native American women being slightly older at the time of the abortions. The next table presents the percentage breakdown by race of the women obtaining abortions in South Dakota in 1982.

TABLE 39

FEMALES OBTAINING INDUCED ABORTIONS BY AGE AND RACE
South Dakota, 1982
(Percent)

Age	White	Native American	Other	Total
<15 years	0 %	1.0%	2.4%	0.8%
15-19	32.9	28.6	22.0	32.2
20-24	34.9	28.6	22.0	34.0
25-29	17.8	22.9	12.2	17.8
30-34	8.1	12.4	29.3	8.9
35-39	3.3	3.8	12.2	3.5
40-44	1.2	1.9	-	1.2
45+	0.3	-	-	0.2
Not Stated	0.8	1.0	-	1.4
	100%	100%	100%	100%

The majority of women (77.5%) obtaining induced abortions in 1982 had no previous abortions with 21.8% of the women having had one or more previous abortions. As the age of the women increased, up to the age of 35, an increase in the percentage of women having had previous abortions was evident. Of women aged 30-34 years, 30.6% had at least one previous abortion. As the age of the women 35 and older increased, the percentage of women having a previous abortion decreased. Approximately 60.9% of the women obtaining abortions had no living children at the time of the abortion.

TABLE 40

INDUCED ABORTIONS IN SOUTH DAKOTA BY STATE OF PATIENTS RESIDENCE BY AGE OF PATIENT, 1982

STATE OF RESIDENCE	TOTAL	AGE OF PATIENT								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	NOT STATED
TOTAL	1693	13	545	576	302	150	59	21	4	23
ALASKA	1	-	-	1	-	-	-	-	-	-
ARIZONA	1	-	-	1	-	-	-	-	-	-
CALIFORNIA	2	-	-	1	1	-	-	-	-	-
COLORADO	1	-	-	1	-	-	-	-	-	-
IOWA	14	-	5	2	3	2	2	-	-	-
KANSAS	1	-	1	-	-	-	-	-	-	-
MINNESOTA	42	1	18	12	6	2	1	1	1	-
MISSISSIPPI	1	-	-	-	-	-	1	-	-	-
MONTANA	58	1	24	18	11	2	1	1	-	-
NEBRASKA	67	-	24	20	13	7	-	-	-	3
NEW HAMPSHIRE	1	-	-	-	1	-	-	-	-	-
NORTH DAKOTA	72	2	21	26	9	6	4	2	-	2
OHIO	1	-	-	1	-	-	-	-	-	-
SOUTH DAKOTA	1199	8	373	414	221	107	47	16	3	10
TEXAS	2	-	-	1	1	-	-	-	-	-
UTAH	1	-	-	1	-	-	-	-	-	-
WASHINGTON	1	-	-	1	-	-	-	-	-	-
WYOMING	122	-	38	45	22	13	2	-	-	2
CANADA	103	1	40	31	13	11	1	1	-	5
NOT STATED	3	-	1	-	1	-	-	-	-	1

TABLE 41

INDUCED ABORTIONS OCCURRING IN SOUTH DAKOTA
BY AGE AND RACE OF PATIENT, 1982

PATIENT'S AGE	TOTAL	PATIENT'S RACE				
		WHITE	INDIAN	BLACK	OTHER	NOT STATED
TOTAL	1693	1536	105	12	29	11
13	2	1	1	-	-	-
14	11	10	-	-	1	-
15	32	30	2	-	-	-
16	85	76	8	-	1	-
17	110	103	5	-	2	-
18	159	149	7	-	3	-
19	159	148	8	-	3	-
20	151	142	8	-	1	-
21	138	125	8	3	2	-
22	103	95	6	-	1	1
23	91	88	2	1	-	-
24	93	86	6	1	-	-
25	76	71	4	1	-	-
26	64	58	6	-	-	-
27	54	50	3	-	1	-
28	62	55	6	-	1	-
29	46	39	5	2	-	-
30	40	35	1	-	4	-
31	34	28	5	1	-	-
32	30	24	4	-	2	-
33	29	23	2	1	3	-
34	17	15	1	-	1	-
35	13	11	1	-	1	-
36	11	8	2	-	1	-
37	15	12	1	1	1	-
38	9	9	-	-	-	-
39	11	10	-	1	-	-
40	6	6	-	-	-	-
41	3	3	-	-	-	-
42	8	6	2	-	-	-
43	2	2	-	-	-	-
44	2	2	-	-	-	-
46	2	2	-	-	-	-
47	2	2	-	-	-	-
NOT STATED	23	12	1	-	-	10

TABLE 42

RESIDENT INDUCED ABORTIONS BY COUNTY OF RESIDENCE, BY AGE GROUP, 1982

RESIDENT COUNTY	TOTAL	AGE OF PATIENT								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	NOT STATED
TOTAL	1199	8	373	414	221	107	47	16	3	10
AURORA	5	-	-	2	1	2	-	-	-	-
BEADLE	22	-	5	7	5	3	2	-	-	-
BENNETT	6	-	2	2	1	1	-	-	-	-
BON HOMME	2	-	-	-	1	-	1	-	-	-
BROOKINGS	56	-	19	21	11	4	1	-	-	-
BROWN	22	-	5	9	7	-	-	-	1	-
BRULE	7	-	2	1	1	1	1	1	-	-
BUFFALO	1	-	-	-	-	1	-	-	-	-
BUTTE	21	-	3	8	6	3	1	-	-	-
CAMPBELL	1	-	-	-	1	-	-	-	-	-
CHARLES MIX	8	-	1	2	2	3	-	-	-	-
CLARK	-	-	-	-	-	-	-	-	-	-
CLAY	33	-	11	18	2	1	1	-	-	-
CODINGTON	16	-	4	8	2	-	1	-	-	1
CORSON	4	-	3	1	-	-	-	-	-	-
CUSTER	21	-	1	11	4	1	2	-	-	2
DAVISON	43	1	15	13	5	7	1	1	-	-
DAY	2	-	1	1	-	-	-	-	-	-
DEUEL	-	-	-	-	-	-	-	-	-	-
DEWEY	10	-	4	2	4	-	-	-	-	-
DOUGLAS	-	-	-	-	-	-	-	-	-	-
EDMUNDS	1	-	-	-	1	-	-	-	-	-
FALL RIVER	11	-	4	1	3	1	2	-	-	-
FAULK	1	-	-	1	-	-	-	-	-	-
GRANT	-	-	-	-	-	-	-	-	-	-
GREGORY	8	1	3	1	3	-	-	-	-	1
HAAKON	6	-	2	3	-	-	-	-	-	-
HAMLIN	4	-	-	1	2	-	1	-	-	-
HAND	2	-	-	-	-	1	1	-	-	-
HANSON	-	-	-	-	-	-	-	-	-	-
HARDING	4	-	2	-	1	1	-	-	-	-
HUGHES	36	1	12	12	6	1	3	1	-	-
HUTCHINSON	1	-	-	-	-	-	1	-	-	-
HYDE	1	-	-	1	-	-	-	-	-	-
JACKSON	8	-	5	2	1	-	-	-	-	-
JERAULD	-	-	-	-	-	-	-	-	-	-
JONES	2	-	1	1	-	-	-	-	-	-
KINGSBURY	1	-	-	1	-	-	-	-	-	-
LAKE	11	-	5	3	2	1	-	-	-	-
LAWRENCE	84	-	18	38	20	3	4	1	-	-
LINCOLN	16	-	7	3	3	2	1	-	-	-
LYMAN	5	-	3	-	1	-	1	-	-	-
MCCOOK	2	-	1	1	-	-	-	-	-	-
MCPHERSON	2	-	-	1	-	-	-	1	-	-
MARSHALL	-	-	-	-	-	-	-	-	-	-
MEADE	44	1	13	15	7	6	2	-	-	-
MELLETTE	3	-	3	-	-	-	-	-	-	-
MINER	-	-	-	-	-	-	-	-	-	-
MINNEHAHA	199	2	66	68	34	20	4	4	1	-
MOODY	5	-	1	2	1	-	1	-	-	-
PENNINGTON	315	1	101	111	61	28	8	3	1	1
PERKINS	8	-	3	3	-	-	2	-	-	-
POTTER	3	-	2	1	-	-	-	-	-	-
ROBERTS	-	-	-	-	-	-	-	-	-	-
SANBORN	-	-	-	-	-	-	-	-	-	-
SHANNON	7	-	2	4	-	1	-	-	-	-
SPINK	8	-	2	2	3	-	-	1	-	-
STANLEY	8	-	2	3	1	2	-	-	-	-
SULLY	3	-	-	1	-	1	1	-	-	-
TODD	23	1	3	7	7	3	1	1	-	-
TRIPP	7	-	5	1	1	-	-	-	-	-
TURNER	4	-	3	-	-	1	-	-	-	-
UNION	3	-	1	1	-	-	-	1	-	-
WALWORTH	10	-	5	2	1	-	-	1	-	1
YANKTON	16	-	6	6	1	2	1	-	-	-
ZIEBACH	5	-	4	-	-	1	-	-	-	-
UNKNOWN	42	-	12	11	8	5	2	-	-	4

TABLE 43

INDUCED ABORTIONS OCCURRING IN SOUTH DAKOTA, BY NUMBER OF LIVING CHILDREN, 1982

PATIENT'S AGE	TOTAL	NUMBER OF LIVING CHILDREN											
		NONE	1	2	3	4	5	6	7	8	9	10 OR MORE	NOT STATED
TOTAL	1693	1031	277	206	87	32	12	4	1	2	2	1	38
PERCENT	100	60.9	16.4	12.1	5.1	1.9	0.7	0.2	0.05	0.1	0.1	0.05	2.2
13	2	2	-	-	-	-	-	-	-	-	-	-	-
14	11	11	-	-	-	-	-	-	-	-	-	-	-
15	32	31	-	1	-	-	-	-	-	-	-	-	2
16	85	80	3	-	-	-	-	-	-	-	-	-	6
17	110	102	2	-	-	-	-	-	-	-	-	-	3
18	159	142	14	-	-	-	-	-	-	-	-	-	3
19	159	125	24	7	-	-	-	-	-	-	1	-	2
20	151	120	23	4	1	-	-	-	-	-	-	-	3
21	138	98	25	10	2	-	-	-	-	-	-	-	2
22	103	73	15	12	-	1	-	-	-	-	-	-	2
23	91	49	21	15	4	-	-	-	-	-	-	-	2
24	93	46	26	14	4	1	-	-	-	-	-	-	2
25	76	38	18	13	3	2	-	-	-	-	-	-	-
26	64	31	14	13	4	2	-	-	-	-	-	-	-
27	54	16	11	17	8	1	1	-	-	-	-	-	-
28	62	16	20	15	6	5	-	-	-	-	-	-	-
29	46	12	13	13	5	1	2	-	-	-	-	-	-
30	40	11	13	13	2	1	-	-	-	-	-	-	-
31	34	7	6	11	8	2	-	-	-	-	-	-	-
32	30	3	8	9	6	4	-	-	-	-	-	-	-
33	29	5	9	9	6	-	-	-	-	-	-	-	-
34	17	-	2	8	5	1	-	1	-	-	1	-	-
35	13	2	2	3	2	3	-	-	-	-	-	-	-
36	11	-	2	2	5	-	2	-	-	-	-	-	-
37	15	1	2	6	3	1	2	-	-	-	-	-	-
38	9	1	-	3	2	2	-	-	-	1	-	-	-
39	11	1	2	2	4	-	2	-	-	-	-	-	-
40	6	-	-	1	1	2	1	1	-	-	-	-	-
41	3	-	-	-	2	1	-	-	-	-	-	-	-
42	8	-	1	1	-	1	1	1	1	1	-	1	-
43	2	-	-	1	1	-	-	-	-	-	-	-	-
44	2	-	-	1	1	-	-	-	-	-	-	-	-
46	2	-	-	-	1	1	-	-	-	-	-	-	-
47	2	-	-	-	-	-	1	1	-	-	-	-	-
NOT STATED	23	8	1	2	1	-	-	-	-	-	-	-	11

TABLE 44

INDUCED ABORTIONS OCCURRING IN SOUTH DAKOTA BY NUMBER OF PREVIOUS ABORTIONS BY AGE OF PATIENT, 1982

PREVIOUS ABORTIONS	TOTAL	AGE OF PATIENT								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	NOT STATED
TOTAL	1693	13	545	576	302	150	59	21	4	23
NONE	1312	12	486	418	213	104	42	18	4	15
1	296	1	47	139	55	35	13	1	-	5
2	53	-	8	13	23	6	2	1	-	-
3	17	-	1	4	8	3	1	-	-	-
4	2	-	-	-	2	-	-	-	-	-
5	1	-	-	-	-	1	-	-	-	-
10 OR MORE	1	-	-	-	-	1	-	-	-	-
NOT STATED	11	-	3	2	1	-	1	1	-	3
PERCENT WITH 1 OR MORE PREVIOUS ABORTIONS	21.8	7.7	10.3	27.1	28.2	30.6	27.1	9.5	-	-

COMMUNICABLE DISEASE

COMMUNICABLE DISEASE MORBIDITY IN SOUTH DAKOTA, 1982

THE DISEASE REPORTING SYSTEM

The South Dakota Department of Health is authorized by SDCL 34-22-12 to collect and process mandatory reports of communicable diseases from physicians, hospitals, laboratories, and institutions. This includes the designation of certain diseases as "reportable" as well as the establishment of the mechanics for reporting communicable diseases, control measures, and the use of quarantine procedures.

Collected morbidity data are organized, recorded, and examined on a periodic, relative basis for evidence suggestive of disease trends, including fluctuations in morbidity, seasonal variations, changes in disease distribution, and characteristics of the natural history of endemic, epidemic, or sporadic diseases. Each month selected morbidity data are published in the Communicable Disease Bulletin, a report which is distributed to public and private health care providers throughout the state and other interested parties. This publication also features informational material pertinent to preventable disease control activities on local, state, and national levels.

The communicable disease reporting system in South Dakota is essential to the successful prevention and control of certain communicable diseases which threaten the lives and well-being of the citizens of South Dakota. Early detection of unusual characteristics or patterns of reportable diseases may provide sufficient evidence to warrant the initiation of preventive measures. In addition to statewide reporting, cooperative efforts in the area of communicable disease control are made with other state health departments and the National Centers for Disease Control, Atlanta, Georgia. These efforts contribute to an effective overall communicable disease prevention and control program for the nation.

This report contains the final figures in tabular form on the reported incidence of the notifiable (reportable) diseases in South Dakota for 1982. Brief narration is included to complement the more highly targeted disease prevention and control program areas of the South Dakota Department of Health.

The degree of completeness of disease reporting by physicians and institutions and of the morbidity data published in this report is influenced by the interests and priorities of the various reporting components in disease control and surveillance; however, the degree of underreporting is thought to remain relatively consistent with a slow but steady trend toward completeness. This allows data comparison over the years.

VACCINE-PREVENTABLE DISEASES

Remarkable accomplishments have been made in the reduction of vaccine-preventable disease morbidity and mortality during the past 15 years. Factors contributing to disease reduction during this period include the enactment of a

statewide compulsory school immunization law in 1971; implementation of child-care facility immunization standards; provision of new vaccines in public clinics (measles vaccine distribution began in 1967, rubella in 1969, and mumps in 1976); and, since 1978, adequate free supplies of all childhood vaccines for private and public clinic use.

Immunization activities in South Dakota were greatly intensified during the years since 1977. A National Childhood Immunization Initiative (April 1977-October 1979) defined and resulted in achievement of two major goals: (1) ensuring that at least 90 percent of the nation's children had received needed vaccines, and (2) developing a permanent system to maintain this level of protection.

Because of the progress made by the Childhood Immunization Initiative, in October 1978 a goal was established to eliminate indigenous measles from the United States. The goal was further nurtured by the success of the global smallpox eradication program. Since measles is often a severe disease, frequently complicated by middle ear infection or bronchopneumonia and sometimes encephalitis, the South Dakota State Health Department moved quickly in 1978 to reduce the threat of future outbreaks by requiring all school age children to have measles vaccination and by requiring booster doses for students immunized before 1968.

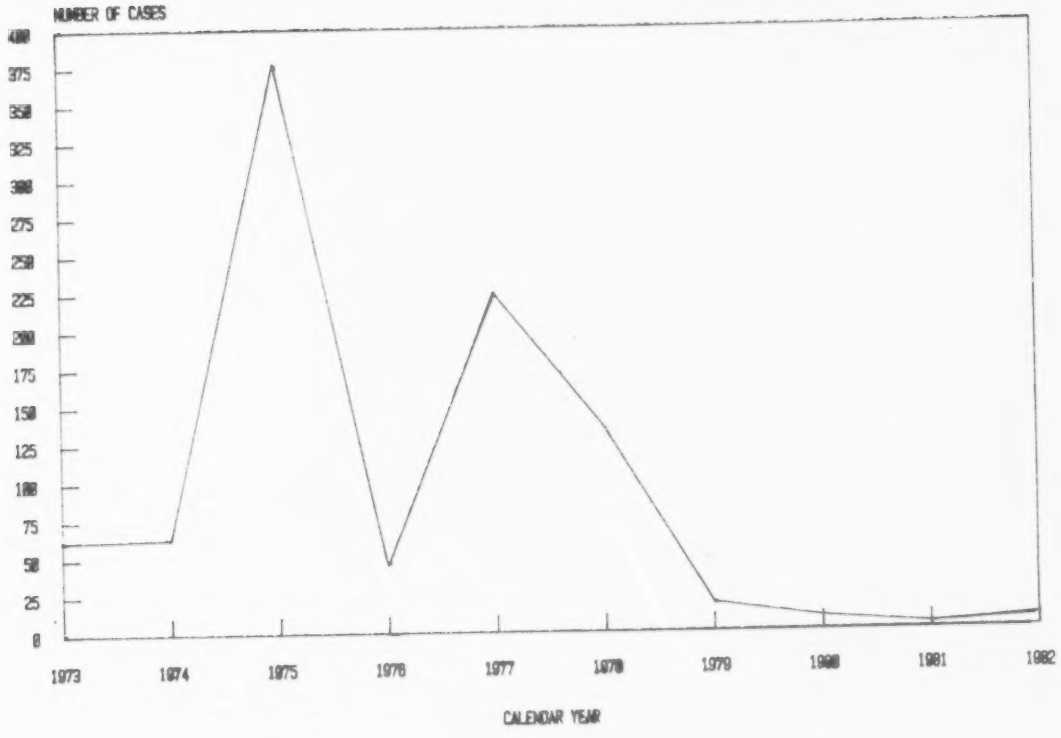
In 1982, and for the third consecutive year, there were no cases of measles reported in South Dakota. Likewise, there were no cases of diphtheria, tetanus, or polio. In fact, South Dakota has been polio free since 1964.

Only one case of rubella was reported in South Dakota during 1982. Rubella is a common childhood rash disease that is often overlooked or misdiagnosed. By far, the most important consequences of rubella are the fetal deaths and anomalies that frequently result from rubella infection in early pregnancy. Preventing infection of the fetus and consequently congenital rubella syndrome is a major objective of rubella immunization programs. Rubella morbidity in South Dakota has also been significantly affected by measles elimination activities, since immunization programs generally have utilized a combined measles-mumps-rubella vaccine. No cases of congenital rubella syndrome have been reported in South Dakota since 1974.

During 1982, a total of 6 cases of pertussis was reported in South Dakota, a three-fold increase over the 2 cases reported in 1981. Complications of pertussis include pneumonia, otitis media, atelectasis, emphysema, bronchiectasis, convulsions, and brain damage. Death occurs in one percent or less of infections. The disease is spread by respiratory contact and is highly communicable, with secondary attack rates in families as high as 90 percent. The disease is most severe in young infants; 70 percent of all deaths occur during the first year of life. The efficacy of the current pertussis vaccine and its generalized use, have resulted in remarkable reductions in pertussis morbidity and mortality over the past four decades.

FIGURE 25

REPORTED MORBIDITY, S.D. 1973-1982
For Seven Vaccine-Preventable Diseases



VENEREAL DISEASES

Gonorrhea

In South Dakota, gonorrhea continues to rank first among reported communicable diseases. The number of cases of gonorrhea reported in South Dakota decreased from 1,339 in 1981 to 1,164 in 1982, a reduction of 13 percent. The 1982 gonorrhea incidence showed a decline for the fourth consecutive year; it represented a ten-year low; and, it was almost one-half of the reported incidence in 1974 (2,254 cases). South Dakota's 1982 gonorrhea case rate is 169 per 100,000 population, which is about one-third that of the national case rate (435).

By early 1973, the South Dakota Department of Health had established a federally-assisted gonorrhea control program. The program has promulgated standard recommendations for gonorrhea therapy; expanded and improved clinical services in the public setting; provided public and patient education programs; developed a statewide gonorrhea culture testing program among women in high-risk disease groups; and, expanded counseling, interviewing, and contact-tracing services to infected patients and their sexual partners. The initiation, maintenance, and refinement of these prevention activities are the major reasons for the continuing decline in gonorrhea in South Dakota.

The incidence of gonorrhea has generally been highest in the sexually active age groups, with a peak among 20-24 year-olds of both sexes. Gonorrhea rates among males and females is about the same, suggesting that control program elements are properly balanced.

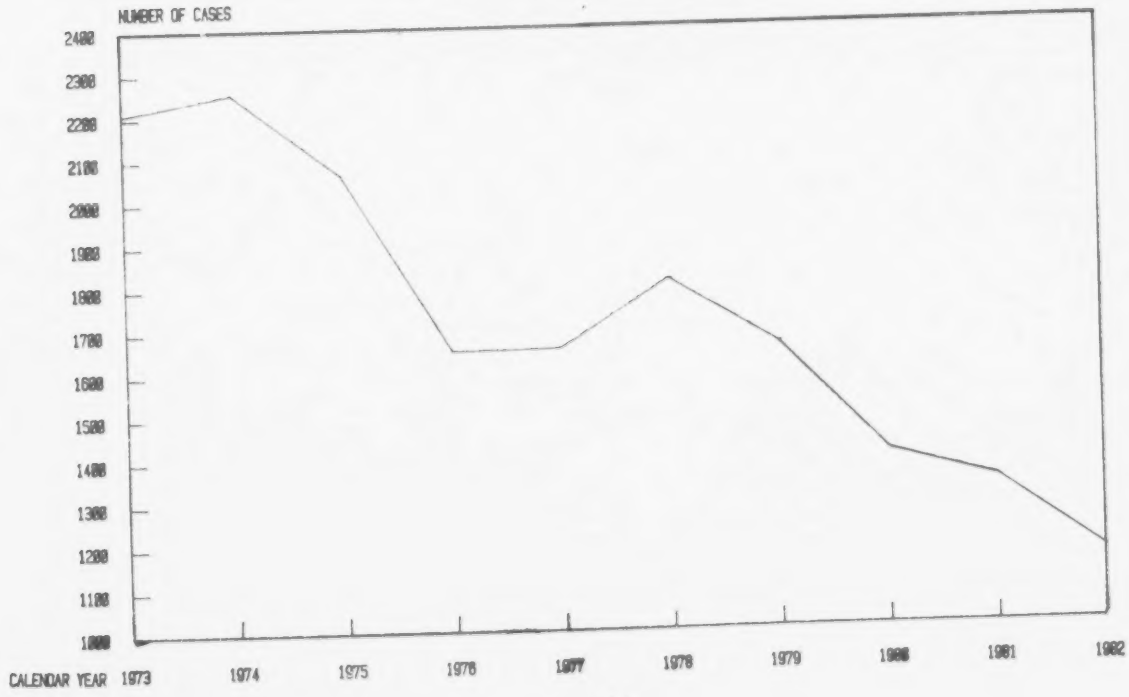
Gonorrhea is more often reported in Indians than in whites (as a function of case rates). The gonorrhea case rate among Indians in South Dakota approaches nearly 1,000 per 100,000 population and represents almost 35 percent of the total reported statewide morbidity.

Pelvic inflammatory disease (PID) is a major complication of untreated gonorrhea in women. Since 1978, the South Dakota Department of Health has undertaken a program directed toward the identification of women with these complications. Gonococcal pelvic inflammatory disease (G/PID) results in significant medical problems. It is linked with recurrent pelvic infections, ectopic pregnancy, and sterility. The economic costs associated with these conditions are very high.

Epidemiologic follow-up of sexual contacts to women with G/PID revealed over 25 percent of asymptomatic male sex partners as major sources of infection. Without epidemiologic intervention, these asymptomatic males often did not seek medical care and, therefore, continued to infect others.

In 1981, the first case of penicillinase-producing Neisseria gonorrhoeae (PPNG) was reported in South Dakota. This strain of gonorrhea, which is resistant to treatment with penicillin, is viewed as a serious threat to gonorrhea control programs throughout the United States. During 1982, three PPNG cases were reported in South Dakota. This increase in PPNG case identification paralleled increases that were occurring nationwide.

FIGURE 26
REPORTED MORBIDITY FOR GONORRHEA
South Dakota, 1973-1982

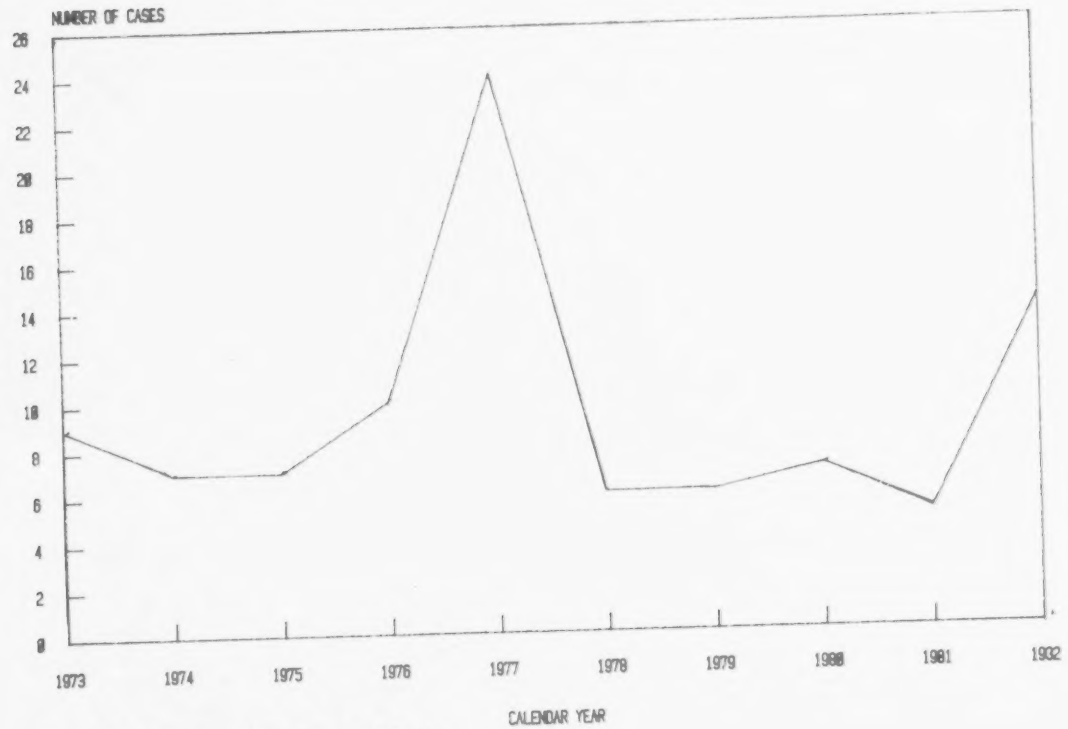


Syphilis

Fourteen cases of early, infectious syphilis (primary, secondary, and early latent of less than one year's duration) were reported in South Dakota during 1982. Although this represents a case rate of only 2 per 100,000 population (national case rate of 14 per 100,000), it represents a significant increase over previous reporting periods. Three of the reported cases were isolated spread cases from out-of-state sources. The remaining eleven cases were reported as indigenous and epidemiologically linked. Even though, epidemiologic evidence supports the assumption that South Dakota is free of indigenously acquired or transmitted syphilis. Accordingly, the occurrence of an early syphilis case in South Dakota is considered a medical emergency by the South Dakota Department of Health, and it receives immediate epidemiologic action.

FIGURE 27

REPORTED MORBIDITY FOR SYPHILIS*
South Dakota 1973-1982



*Includes Primary, Secondary, and Early Latent Syphilis

Other Venereal Diseases

Other sexually transmitted diseases believed to be widespread in South Dakota are herpes simplex and Chlamydia trachomatis. Neither is reportable so estimates of annual incidence are based on national studies and laboratory

results. The annual incidence of both sexually transmitted herpes simplex and chlamydia infections is estimated to be about twice that of reported gonorrhea. That would place national incidence at 2 million cases of each disease annually; in South Dakota, the estimate would be 2,300 cases each per year.

TUBERCULOSIS

During 1982, 36 cases of tuberculosis were reported in South Dakota, 30 cases less than were reported in 1981. This is a continuation of an observed, long-term trend decrease in the number of reported cases; the total number of reported cases in 1951 was 2,000. The number of deaths attributed to tuberculosis in 1982 was 5. Of the reported 1982 cases, 25 (69 percent) were Indians. Extra-pulmonary disease accounted for 5 (13.9 percent) of total reported 1982 cases.

South Dakota's 1982 reported tuberculosis incidence represents a case rate of 5.2 per 100,000 population. This compares with a national case rate of 11.9 per 100,000 population, ranking South Dakota among the lowest of the 50 states.

A matter of concern in South Dakota as well as at the national level is the occurrence of tuberculosis in young children (under five years of age). Each such case represents a double failure: a failure to interrupt transmission of infection from a case of tuberculosis and a failure to prevent, through drug prophylaxis, the emergence of disease in such an infected child. In 1982, the incidence of new tuberculosis among children in this age group was only one case. This was gratifyingly down from the 8 such cases in children that occurred the year before (1981).

The current low incidence of tuberculosis in South Dakota has adversely affected control efforts by reducing awareness and expertise in dealing with the disease; however, the South Dakota Department of Health continues to ensure comprehensive services are available throughout the State. These services include tuberculosis screening, contact investigation, antituberculosis drugs, preventive treatment services, medical evaluations, and laboratory services. Even though most counties in South Dakota have few cases of tuberculosis annually, all counties are provided at least a minimum level of service.

Although the number of tuberculosis cases has declined, tuberculosis remains a significant public health problem because of its communicability and serious health implications if left untreated.

FIGURE 28

REPORTED MORBIDITY FOR TUBERCULOSIS
South Dakota, 1973-1982

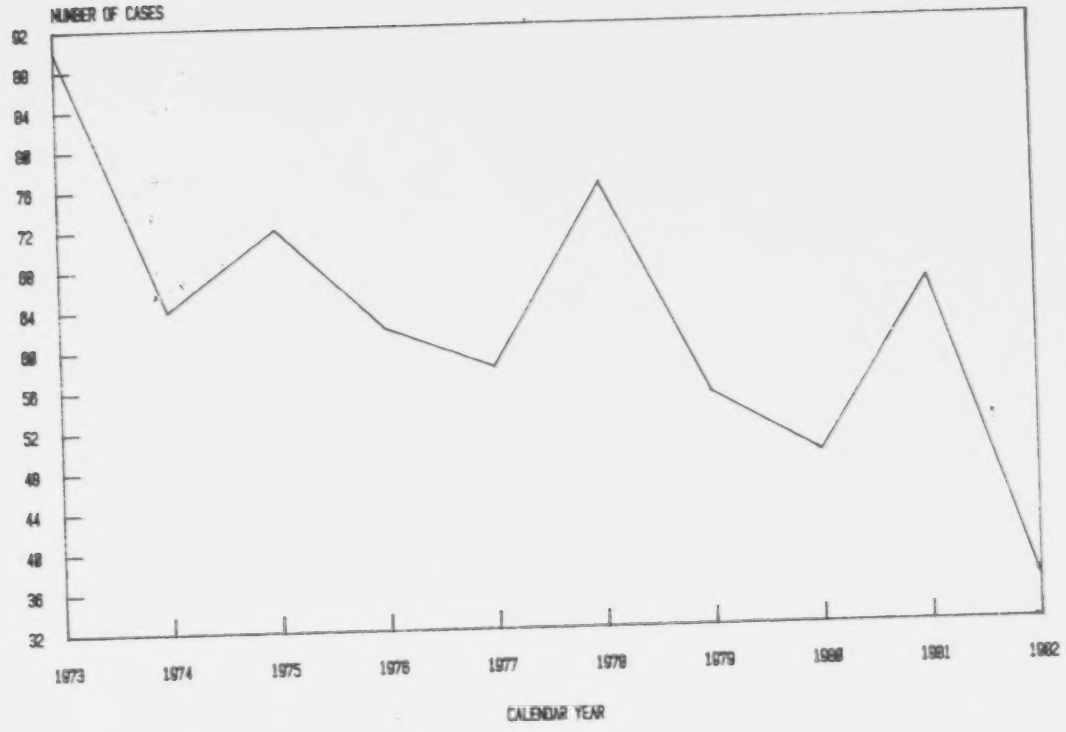


TABLE 45

REPORTED CASES OF SPECIFIED NOTIFIABLE DISEASES, SOUTH DAKOTA, 1973-1982

DISEASE	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973
South Dakota Population	691,000	690,768	690,768	688,838	690,213	687,590	685,563	680,811	681,386	681,899
Amebiasis	-	-	-	2	-	1	-	-	2	2
Anthrax	-	-	-	-	-	-	-	-	-	-
Botulism:										
Foodborne	-	-	-	-	-	-	-	-	-	-
Infant	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-
Brucellosis	1	1	3	2	2	1	2	-	-	-
Chickenpox	271	995	1,115	635	441	872	85	151	35	47
Cholera	-	-	-	-	-	-	-	-	-	-
Dengue	-	-	-	-	-	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	3	-	-	7
Encephalitis:										
Primary	-	1	-	1	-	6	1	29	-	-
Post-infectious	1	1	-	1	-	-	-	-	-	-
Giardiasis	100	38	58	20	1	-	-	-	-	-
Hepatitis (viral):										
A (infectious)	14	38	72	207	242	34	89	39	164	233
B (serum)	17	8	8	19	14	12	5	8	4	1
non-A, non-B[1]	-	-	-	-	-	-	-	-	-	-
Unspecified	1	2	2	-	24	5	-	-	-	-
Influenza	526	2,653	2,422	2,965	2,011	1,682	752	204	920	624
Legionellosis[1]	-	-	-	1	-	-	-	-	-	-
Leprosy (Hansen's disease)	1	-	-	-	-	-	-	-	-	-
Leptospirosis	-	1	-	-	-	-	-	-	-	-
Malaria	-	1	-	1	1	1	3	-	1	-
Measles (total)[2]	-	-	-	2	-	75	5	353	31	3
Indigenous	-	-	-	-	-	-	-	-	-	-
Imported	-	-	-	-	-	-	-	-	-	-
Meningococcal infections	11	10	6	4	4	6	3	-	2	6
Meningitis:										
Aseptic	8	8	13	3	4	2	2	-	2	1
Bacterial	65	50	38	37	26	28	6	1	2	5
Mumps	1	1	3	11	11	59	11	6	3	21
Pertussis	6	2	3	-	11	1	4	1	3	7
Plague	-	-	-	-	-	-	-	-	-	-
Poliomyelitis:										
Paralytic	-	-	-	-	-	-	-	-	-	-
Nonparalytic	-	-	-	-	-	-	-	-	-	-
Unspecified	-	-	-	-	-	-	-	-	-	-
Psittacosis	-	-	-	-	-	-	-	-	-	-
Rabies:										
In Animals	116	323	472	143	98	139	142	49	168	135
In Humans	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (acute)	1	-	-	-	-	-	1	-	2	-
Rocky Mountain spotted fever	4	-	2	-	7	2	3	-	2	2
Rubella	1	-	2	5	112	89	21	17	26	24
Rubella, congenital syndrome	-	-	-	-	-	-	-	-	1	-
Salmonellosis	103	165	98	90	102	56	54	50	81	58
Scarlet Fever[3]	56	-	-	-	-	-	-	-	-	-
Shigellosis	114	68	113	73	185	49	28	50	122	129
Smallpox	-	-	-	-	-	-	-	-	-	-
Streptococcal pharyngitis	1,993	1,301	2,707	4,631	3,509	5,640	6,528	5,287	7,577	6,572
Tetanus	-	-	-	-	1	-	1	-	-	-
Toxic-shock syndrome[4]	6	7	-	-	-	-	-	-	-	-
Trichinosis	-	-	-	-	-	-	-	-	-	-
Tuberculosis	36	66	49	55	76	58	62	72	64	90
Tularemia	1	3	1	2	-	2	1	-	3	-
Typhoid fever	-	1	1	-	-	-	1	-	-	1
Typhus fever	-	-	-	-	-	-	-	-	1	-
Venereal Diseases:										
Chancroid	-	-	-	-	-	-	-	-	2	-
Gonorrhea	1,164	1,339	1,406	1,660	1,812	1,656	1,652	2,062	2,254	2,209
Granuloma inguinale	-	-	-	-	-	-	-	-	-	-
Lymphogranuloma veneraum	-	-	-	1	-	-	-	-	1	-
Syphilis	18	18	14	15	20	36	19	18	33	28
Yellow Fever	-	-	-	-	-	-	-	-	-	-

[1] Not reportable before 1982
[2] Only total Measles cases reported before 1982
[3] Scarlet fever cases included with Streptococcal pharyngitis cases before 1982
[4] Not reportable before 1981

TABLE 46

REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY MONTH OF REPORT
SOUTH DAKOTA, 1982

DISEASE	TOTAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
Amebiasis	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthrax	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism:													
Foodborne	-	-	-	-	-	-	-	-	-	-	-	-	-
Infant	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-
Brucellosis	1	-	-	-	-	-	1	-	-	-	-	-	-
Chickenpox	271	39	52	45	31	13	28	4	4	2	4	18	31
Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-
Dengue	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	
Encephalitis:													
Primary	-	-	-	-	-	-	-	-	-	-	-	-	-
Post-infectious	1	-	-	-	-	1	-	-	-	-	-	-	-
Giardiasis	100	10	1	10	5	4	3	4	10	21	16	2	14
Hepatitis (viral):													
A (infectious)	14	3	1	1	1	1	-	-	3	-	3	-	1
B (serum)	17	-	2	-	1	4	1	-	2	5	1	1	-
non-A, non-B	-	-	-	-	-	-	-	-	-	-	-	-	-
Unspecified	1	-	-	-	-	-	-	1	-	-	-	-	-
Influenza	526	3	265	225	20	6	2	-	1	1	-	1	2
Legionellosis	-	-	-	-	-	-	-	-	-	-	-	-	-
Leprosy (Hansen's disease)	1	-	-	-	-	-	1	-	-	-	-	-	-
Leptospirosis	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles:													
Indigenous	-	-	-	-	-	-	-	-	-	-	-	-	-
Imported	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections	11	-	-	1	-	2	-	1	-	-	2	2	3
Meningitis:													
Aseptic	8	1	-	-	-	-	-	2	1	2	-	1	1
Bacterial	65	6	1	7	3	7	5	5	4	4	14	3	6
Mumps	1	-	-	-	1	-	-	-	-	-	-	-	-
Pertussis	6	-	1	1	-	1	-	1	-	1	-	1	-
Plague	-	-	-	-	-	-	-	-	-	-	-	-	-
Poliomyelitis:													
Paralytic	-	-	-	-	-	-	-	-	-	-	-	-	-
Nonparalytic	-	-	-	-	-	-	-	-	-	-	-	-	-
Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-
Psittacosis	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabies:													
In Animals	116	7	5	6	16	13	13	11	9	8	7	6	15
In Humans	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (acute)	1	-	-	-	1	-	-	-	-	-	-	-	-
Rocky Mountain spotted fever	4	-	-	-	-	-	-	3	1	-	-	-	-
Rubella	1	-	-	1	-	-	-	-	-	-	-	-	-
Rubella, congenital syndrome	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	103	8	4	2	8	9	13	21	11	12	6	5	4
Scarlet fever	56	-	1	46	3	3	3	-	-	-	-	-	-
Shigellosis	114	22	8	5	5	3	5	4	12	22	7	10	11
Smallpox	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcal pharyngitis	1,993	164	148	222	177	96	55	41	62	250	226	266	286
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic-shock syndrome	6	-	-	2	-	-	-	1	-	1	1	-	1
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	36	2	1	-	3	4	6	3	1	4	3	3	6
Tularemia	1	-	-	-	-	-	-	-	1	-	-	-	-
Typhoid fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Venereal Diseases:													
Chancroid	-	-	-	-	-	-	-	-	-	-	-	-	-
Gonorrhea	1,164	101	98	118	100	101	99	91	127	112	85	64	68
Granuloma inguinale	-	-	-	-	-	-	-	-	-	-	-	-	-
Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis	18	-	-	-	-	1	-	-	1	2	1	2	11
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-

TECHNICAL NOTES

TECHNICAL NOTES

A. SOURCES OF DATA

Birth and death certificates and reports of fetal deaths and induced abortions are the source documents for data on vital events of South Dakota during the 1982 calendar year. A copy of each of these types of certificates is included as Figures I, II, and III. Marriage and divorce data are compiled from transcripts which are received from each county.

The cut-off date for 1982 data in this report is May 15, 1983. Any data pertaining to a 1982 event for which a certificate was filed after May 15, 1983 are not included in this report. The number of records received after that date is so small that in most instances, it is of little significance for the purpose of analysis.

Events relating to South Dakota residents which occurred in another state are included in this report. The inclusion of these data are made possible by an agreement among all registration areas in the United States for resident exchange of copies of certificates.

Birth and fetal death certificates are usually completed by hospital personnel present at the delivery. Death certificates are usually completed by hospital personnel, physicians, and funeral directors.

B. DATA DELIMITATIONS

Quality

The quality of data presented in this report is directly related to the completeness and accuracy of the information contained on the certificates.

Medical Certification

Causes of death on death certificates and medical data on birth certificates are coded according to the ninth revision of the International Classification of Diseases (ICD). This classification is adopted by the World Health Organization and is used throughout the world for selecting the underlying cause of death and classifying the cause.

Race

The race reported on the vital records reflects the opinion of the informant and does not follow any prescribed rules for the reporting of race. This report shows tabulations for white, Indian, and other. Persons classified as other are few in South Dakota and tabulations reflecting these events are relatively meaningless.

Birth data is tabulated using the race of the mother. No attempt is made to determine the race of the child from the race shown for the father and the mother.

Premature Birth Data

To more accurately reflect the number of infant deaths due to the underlying cause of premature birth, certain infant death codes were drawn from the "Certain Conditions Originating in the Perinatal cause of Death (ICD 760-779) and cross matched with the birth and infant death file (BID file). The selected death codes were matched with low-birth weight (<2500 gams) and/or short gestational age (>20 weeks) of infants who died. The selected International Disease Classification (ICD) causes of deaths included deaths due to:

- Fetus or newborn affected by maternal conditions or complications of placenta, and, labor or delivery (ICD 760, 761)
- Slow fetal growth and fetal malnutrition (ICD 764)
- Disorders related to short gestation and unspecified low birth weight (ICD 765)
- Intrauterine hypoxia and birth asphyxia (ICD 768)
- Respiratroy distress syndrome (ICD 769)
- Other respiratory conditions of fetus and newborn (ICD 770)
- Infections specific to the perinatal period (ICD 771)
- Fetal and neonatal hemmorhage (ICD 772)
- Haemolytic disease of fetus or newborn, due to isoimmunization (ICD 773)
- Other perinatal jaundices (ICD 774)
- Endocrine and metabolic disturbances specific to the fetus and newborn (ICD 775)
- Hemotological disorders of fetus and newborn (ICD 776)

The deaths coded to any of the those categories that occurred to infants of low birth weight and or short gestational age were grouped in the Deaths Caused By Premature Birth category.

C. GEOGRAPHIC ALLOCATION

In South Dakota, registration of vital events is classified geographically in two ways. The first way is by place of occurrence, i.e., the actual state and county in which the birth or death took place. The second and more customary way is by place of residence, i.e., the state or county stated to be the usual residence of the decedent in the case of deaths or of the mother in the case of a newborn.

Fetal deaths and infant deaths, in cases where the child was never discharged from the hospital, are classified to the residence of the mother.

While occurrence statistics are accurate and have both administrative value and some statistical significance, residence statistics are by far the more useful tool in determining health indices for planning and evaluation purposes. The statistics provided in this report are residence data unless otherwise stated.

Allocation of vital events by place of residence is sometimes difficult, because classification depends entirely on the statement of the usual place of residence furnished by the informant at the time the original certificate is completed. For various reasons, this statement may be incorrect or incomplete. For example, mailing addresses very often differ from the actual geographic residence.

D. DEFINITIONS

Occurrence, Place of - Data allocated by place where the event occurred, irrespective of the person's place of residence.

Residence, Place of - Date allocated by place of residence, irrespective of where the event occurred.

Live Birth - The complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy, which, after separation, shows evidence of life.

Crude Birth Rate - The number of resident live births divided by the total resident population X 1,000.

Crude Death Rate - The number of resident deaths divided by the total resident population X 1,000.

Cause Specific Death Rate - The number of resident deaths due to a specific cause divided by the total resident population X 100,000.

Proportional Mortality Rate (PMR) - Sometimes called the "Mortality Ratio", is the proportion that a specified cause of mortality is in relation to all causes of mortality.

$$\frac{\text{Number of deaths from cause "A"}}{\text{Number of deaths from all causes}} \times 100$$

Infant Death - Death of a live born infant less than one year (365 days) of age. Infant deaths equal the sum of neonatal plus postneonatal deaths.

Infant Death Rate - The number of infant deaths divided by the total number of live births X 1,000.

Neonatal Death Rate - (Neonatal Death = Death occurring to infants 0 - 27 days of age). The number of neonatal deaths divided by the total number of live births X 1,000.

Hebdomadal Death Rate - (Hebdomadal Deaths = Deaths occurring to infants 0-6 days of age). The number of hebdomadal deaths divided by live births X 1,000.

Postneonatal Death Rate - (Postneonatal Death = Death occurring to infants 28 days to 1 year of age). The number of postneonatal deaths divided by the total number of live births X 1,000.

Fetal Death - Death prior to the complete expulsion or extraction from its mother of a product of human conception irrespective of the duration of pregnancy, as indicated by the fact that after such expulsion or extraction the fetus does not show evidence of life. (South Dakota requires the reporting of any fetus weighing over 500 gram).

Fetal Death Rate - The number of fetal deaths divided by the total number of live births and fetal deaths X 1,000.

General

General Dependency Ratio - The sum of the population under 15 years and the population aged 65 and over divided by the population aged 15 to 65 times 100. This is a measure of the dependent population to the productive population. The terms dependent and productive are somewhat arbitrary by definition of age; however, it has become customary to refer to the age groups of under 15 and 65 and over as dependent and age groups 15 to 65 as productive when analyzing general population characteristics.

Aged Dependency Ratio: Population 65 and over divided by population aged 15 to 65 times 100. This is a more refined measure of dependency showing the relation of the aged dependent population to the productive population.

Index of Aging: The population 65 and over divided by the population under 15 years times 100. This ratio provides a single measure of the extent to which a population is aging and relates the two segments of the dependent population to each other.

Sex Ratio - the number of males divided by the number of females times 100.

APPENDIX

TABLE A-1

SOUTH DAKOTA'S ELDERLY POPULATION
1960, 1970 AND 1980 BY RACE

1960

	WHITE				NON-WHITE			
	MALE		FEMALE		MALE		FEMALE	
AGE	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
60-64	14,394	2.2	13,784	2.1	378	1.4	272	1.0
65-69	12,865	2.0	12,682	1.9	290	1.1	254	0.9
70-74	10,362	1.6	10,257	1.6	235	0.9	166	0.6
75+	11,581	1.8	12,314	1.9	269	1.0	238	0.9

1970

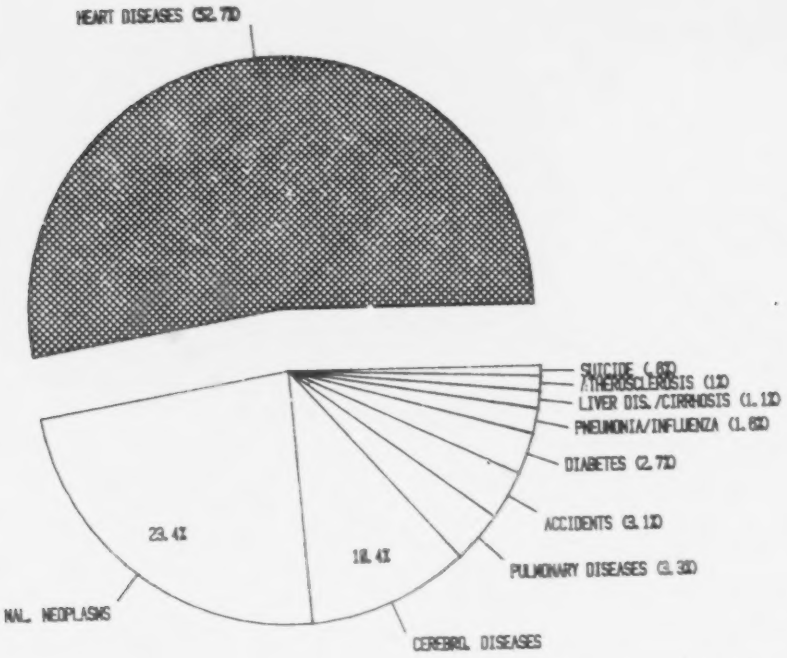
	WHITE				NON-WHITE			
	MALE		FEMALE		MALE		FEMALE	
AGE	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
60-64	13,879	2.2	14,622	2.3	382	1.1	373	1.1
65-69	11,678	1.9	12,849	2.0	334	0.9	347	1.0
70-74	9,819	1.6	11,333	1.8	249	0.7	228	0.6
75+	14,113	2.2	18,886	3.0	325	0.9	323	0.9

1980

	WHITE				NON-WHITE			
	MALE		FEMALE		MALE		FEMALE	
AGE	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
60-64	14,580	2.3	15,436	2.4	450	1.0	498	1.1
65-69	12,508	2.0	14,298	2.2	372	0.8	415	0.9
70-74	9,872	1.5	12,408	1.9	249	0.6	305	0.7
75+	15,053	2.4	24,597	3.8	349	0.8	450	1.0

FIGURE A-1

TEN LEADING CAUSES OF DEATH, 1970
Age 65-74



TEN LEADING CAUSES OF DEATH, 1970
Age 75 and Over

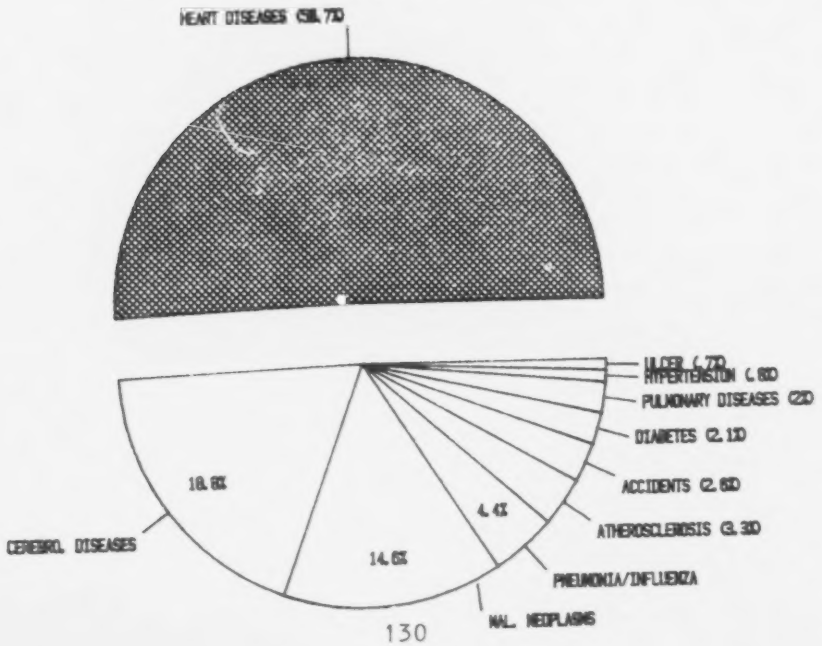


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TABLE A-2

U.S. MARRIAGE & DIVORCE RATES*

MARRIAGE RATES (Per 1,000 based on pop. as of 4/1/70)	DIVORCE RATES
1950 - 11.1	2.6
1955 - 9.3	2.3
1960 - 8.5	2.2
1965 - 9.3	2.5
1970 - 10.6	3.5
1974 - 10.5	4.6
1975 - 10.1	4.9
1976 - 10.0	5.0
1977 - 10.1	5.0
1978 - 10.5	5.2
1979 - 10.6	5.4
1980 - 10.6	5.2
1981 - 10.6	5.3

*Years for which data is available

CAUSES OF INFANT DEATHS
INDIAN
South Dakota, 1982

ICD CODE	CAUSE OF DEATH	TOTAL	BIRTH -6 DAS	7-27 DAYS	28 DAYS-1 YR.
760, 761, 765, 769-770, 772, 777	Premature Birth	10	9		1
798	SIDS	8		2	6
460-519, 770	Other Respiratory Conditions & Diseases	3	1		2
390-459, 520-579, 580-629	Diseases of Circulatory, Digestive or Genitourinary System	3		1	2
1-139	Infectious & Parasitic Diseases	2			2
740-759	Congenital Anomalies	2		1	1
800-999	Injuries & Poisonings	2			2
767	Birth Trauma	2	2		
320-389	Diseases of the Nervous System	1			1
768	Intrauterine Hypoxia & Birth Asphyxia	1	1		
240-279	Endocrine, Nutritional & Metabolic Diseases	1			1
762-763, 771, 778, 779	Other Conditions Originating in the Perinatal Period	1	1		
	TOTAL	36	14	4	18
	(PERCENT)	(100%)	(39%)	(11%)	(50%)

CAUSES OF INFANT DEATHS
WHITE
South Dakota, 1982

ICD CODE	CAUSE OF DEATH	TOTAL	BIRTH -6 DAS	7-27 DAYS	28 DAYS-1 YR.
760, 761, 765, 769-770, 772, 777	Premature Birth	38	31	6	1
798	SIDS	15	1	2	12
740-759	Congenital Anomalies	15	10	2	3
762-763, 771, 778, 779	Other Conditions Originating In the Perinatal Period	7	7		
390-459, 520-579, 580-629	Diseases of Circulatory, Digestive or Genitourinary System	5	3	2	
1-139	Infectious & Parasitic Diseases	3			3
320-389	Diseases of the Nervous System	3		1	2
768	Intrauterine Hypoxia & Birth Asphyxia	2	2		
769	Respiratory Distress Syndrome	2	1	1	
460-519, 770	Other Respiratory Conditions & Diseases	1	1		
710-739	Diseases of the Musculo-Skeletal System	1		1	
	TOTAL	92	56	15	21
	(PERCENT)	(100%)	(61%)	(16%)	(23%)

TABLE A-3

INFANT DEATHS BY AGE, RACE, AND CAUSE WITHOUT ADJUSTMENT FOR UNDERLYING CAUSE OF PREMATURE BIRTH, South Dakota, 1982

			WHITE				INDIAN				OTHER			
	CAUSES OF DEATH	Total	Under 1 Day	1 Thru 6 Days	7 Thru 27 Days	28 Days Thru 11 Months	Under 1 Day	1 Thru 6 Days	7 Thru 27 Days	28 Days Thru 11 Months	Under 1 Day	1 Thru 6 Days	7 Thru 27 Days	28 Days Thru 11 Months
	ALL CAUSES	131	37	18	15	21	10	5	4	18	-	1	1	1
008-009 535, 555-588	CERTAIN GASTROINTESTINAL DISEASES	3	-	-	-	1	-	-	1	1	-	-	-	-
480-487	PNEUMONIA & INFLUENZA	1	-	-	-	-	-	-	-	1	-	-	-	-
740-759	CONGENITAL ANOMALIES	18	7	3	2	3	-	-	1	1	-	1	-	-
765	DISORDERS RELATING TO SHORT GESTATION & UNSPECIFIED LOW BIRTH WEIGHT	14	8	-	-	-	6	-	-	-	-	-	-	-
767	BIRTH TRAUMA	2	-	-	-	-	-	2	-	-	-	-	-	-
768	INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	5	2	1	-	-	1	1	-	-	-	-	-	-
769	RESPIRATORY DISEASES SYNDROME	16	5	5	2	1	1	2	-	-	-	-	-	-
760-764 766, 770-779	OTHER CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	28	14	6	5	-	2	-	-	1	-	-	-	-
798.0	SUDDEN INFANT DEATH SYNDROME	24	-	1	2	12	-	-	2	6	-	-	-	1
RESIDUAL	ALL OTHER CAUSES	20	1	2	4	4	-	-	-	8	-	-	1	-

COUNTY FILE NUMBER

CERTIFICATE OF LIVE BIRTH

140- BIRTH NUMBER

CHILD

1. CHILD — NAME — FIRST — MIDDLE — LAST
2. SEX
3a. DATE OF BIRTH (Mo. Day Yr.)
3b. HOUR — M.
4a. HOSPITAL — NAME (If not in hospital, give street and number)
4b. CITY, TOWN OR LOCATION OF BIRTH
4c. COUNTY OF BIRTH

CERTIFIER

I certify that the stated information concerning this child is true to the best of my knowledge and belief.
5a. Signature ▶
5b. DATE SIGNED (Mo. Day Yr.)
5c. NAME AND TITLE OF ATTENDANT AT BIRTH IF OTHER THAN CERTIFIER (Type or print)
5d. CERTIFIER — NAME AND TITLE (Type or print)
5e. MAILING ADDRESS (Street or R.F.D. No., City or Town, State, Zip)

6a. REGISTRAR — Signature ▶
6b. DATE RECEIVED BY REGISTRAR (Month, Day, Year)

MOTHER

7a. MOTHER — MAIDEN NAME — FIRST — MIDDLE — LAST
7b. AGE (At time of this birth)
7c. STATE OF BIRTH (If not U.S.A., name country)
8a. RESIDENCE — STATE
8b. COUNTY
8c. CITY, TOWN OR LOCATION
8d. STREET AND NUMBER OF RESIDENCE
8e. INSIDE CITY LIMITS (Specify yes or no)
9. MOTHER'S MAILING ADDRESS (If same as above, enter Zip Code only)

FATHER

10a. FATHER — NAME — FIRST — MIDDLE — LAST
10b. AGE (At time of this birth)
10c. STATE OF BIRTH (If not U.S.A., name country)

I certify that the personal information provided on this certificate is correct to the best of my knowledge and belief.
11a. Signature of Person in Charge of Birth ▶
11b. RELATION TO CHILD

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

	RACE	EDUCATION (HIGHEST GRADE COMPLETED)	PREGNANCY HISTORY	DATE OF LAST LIVE BIRTH
MOTHER	12a. Specify White, Black, American Indian, etc.	12b. Elementary or Secondary (0-12) / College (1-4 or 5+)	Live Births (Exclude this child) — 13a. Now Living: Number / None; 13b. Now Dead: Number / None	13c. Date of Last Live Birth: Month, Year
FATHER	14a. Specify White, Black, American Indian, etc.	14b. Elementary or Secondary (0-12) / College (1-4 or 5+)	OTHER TERMINATIONS (SPONTANEOUS OR INDUCED) — 15a. Less than 20 Weeks Gestation: Number / None; 15b. 20 Weeks Gestation or More: Number / None	15c. Date of Last Other Termination: Month, Year

16. Birth Weight: Grams / lbs. oz.
17a. This Birth (Single, Twin, Triple)
17b. If Not Single Birth: Born First, Second, Third, etc.? Specify
18. Was Mother Married at Time of Conception or Birth?
19. Date Last Normal Menses Began (Month Day Year)
20a. Month of Pregnancy Prenatal Care Began: First, Second, etc. (Specify)
20b. Prenatal Visits: (Total Number) Number / None

21. APGAR SCORE: 1 MIN. / 5 MIN.
22. COMPLICATIONS OF PREGNANCY (DESCRIBE OR WRITE NONE)
23. CONCURRENT ILLNESSES OR CONDITIONS AFFECTING PREGNANCY (DESCRIBE OR WRITE NONE)
24. COMPLICATIONS OF LABOR AND/OR DELIVERY (DESCRIBE OR WRITE NONE)
25. BIRTH INJURIES TO CHILD (DESCRIBE OR WRITE NONE)
26. CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD (DESCRIBE OR WRITE NONE)
27. FETAL ALCOHOL SYNDROME: Yes / No
28. P.K.U. TEST PERFORMED: Before 24 Hours / After 24 Hours / Not Done
29. HYPOTHYROID TEST PERFORMED: Yes / No
30. AMNIOCENTESES PERFORMED: Yes / No
31. KARYOTYPE TEST PERFORMED: Yes / No
32. CAESAREAN SECTION: Classical / Low Cervical / Other
33. PHYSICIAN'S ESTIMATE OF GESTATION LENGTH (In Weeks)
34. TRIMESTER MOTHER STARTED PRENATAL CLASSES DURING THIS PREGNANCY: 1st / 2nd / 3rd / None

HAS 0275
Jan. 1, 1983

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TYPE OR PRINT IN PERMANENT INK FOR INSTRUCTIONS SEE HANDBOOK

CERTIFICATE OF DEATH

LOCAL FILE NUMBER

STATE FILE NUMBER

DECEDENT

DECEDENT - NAME (FIRST, MIDDLE, LAST) 1 | SEX 2 | DATE OF DEATH (MONTH, DAY, YEAR) 3

RACE (WHITE, NEGRO, AMERICAN INDIAN, ETC. - SPECIFY) 4 | AGE - LAST BIRTHDAY (YEARS) 5a | UNDER 1 YEAR (MOS., DAYS) 5b | UNDER 1 DAY (HOURS, MINS.) 5c | DATE OF BIRTH (MONTH, DAY, YEAR) 6 | COUNTY OF DEATH 7a

CITY, TOWN, OR LOCATION OF DEATH 7b | HOSPITAL OR OTHER INSTITUTION - NAME (IF NOT IN EITHER, GIVE STREET AND NUMBER) 7c | IF HOSP. OR INST. (Indicate DOA, OP/Emer. Rm., Inpatient) (Specify) 7d

STATE OF BIRTH (IF NOT IN U.S.A., NAME COUNTRY) 8 | CITIZEN OF WHAT COUNTRY 9 | MARRIED, NEVER MARRIED, WIDOWED, DIVORCED (SPECIFY) 10 | SURVIVING SPOUSE (IF WIFE, GIVE MAIDEN NAME) 11

SOCIAL SECURITY NUMBER 12 | USUAL OCCUPATION (GIVE KIND OF WORK DONE DURING MOST OF WORKING LIFE, EVEN IF RETIRED) 13a | KIND OF BUSINESS OR INDUSTRY 13b

RESIDENCE - STATE 14a | COUNTY 14b | CITY, TOWN, OR LOCATION AND ZIP CODE 14c | (INSIDE CITY LIMITS - SPECIFY YES OR NO) 14d | STREET AND NUMBER 14e

PARENTS

FATHER - NAME (FIRST, MIDDLE, LAST) 15 | MOTHER - MAIDEN NAME (FIRST, MIDDLE, LAST) 16

INFORMANT

INFORMANT - NAME 17a | MAILING ADDRESS (STREET OR R.F.D. NO., CITY OR TOWN, STATE, ZIP) 17b | WAS DECEASED A VETERAN 17c

CAUSE OF DEATH

PART I. DEATH WAS CAUSED BY (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).) | APPROXIMATE INTERVAL BETWEEN ONSET AND DEATH

18 IMMEDIATE CAUSE

(a) DUE TO, OR AS A CONSEQUENCE OF

CONDITIONS, IF ANY, WHICH GAVE RISE TO IMMEDIATE CAUSE (a), STATING THE UNDERLYING CAUSE LAST

(b) DUE TO, OR AS A CONSEQUENCE OF

(c)

PART II. OTHER SIGNIFICANT CONDITIONS - CONDITIONS CONTRIBUTING TO DEATH BUT NOT RELATED TO CAUSE GIVEN IN PART I (a) | AUTOPSY (YES OR NO) 19a | WAS CASE REFERRED TO CORONER? (Specify Yes or No) 19b

ACCIDENT, SUICIDE, HOMICIDE, OR UNDETERMINED (SPECIFY) 20a | DATE OF INJURY (MONTH, DAY, YEAR) 20b | HOUR OF INJURY 20c | HOW INJURY OCCURRED (ENTER NATURE OF INJURY IN PART I OR PART II, ITEM 18) 20d

INJURY AT WORK (SPECIFY YES OR NO) 20e | PLACE OF INJURY (AT HOME, FARM, STREET, FACTORY, OFFICE BLDG., ETC. - SPECIFY) 20f | LOCATION (County, City or Town, State) 20g

CERTIFIER

To be Completed by PHYSICIAN Only

21a. To the best of my knowledge, death occurred at the time, date and place and due to the cause(s) stated.

(Signature and Title) ▶

DATE SIGNED (Mo., Day, Yr.) 21b | HOUR OF DEATH 21c

To be Completed by CORONER Only

22a. On the basis of examination and/or investigation, in my opinion death occurred at the time, date and place and due to the cause(s) stated.

(Signature and Title) ▶

DATE SIGNED (Mo., Day, Yr.) 22b | HOUR OF DEATH 22c

NAME AND ADDRESS OF CERTIFIER (PHYSICIAN, MEDICAL EXAMINER OR CORONER) (Type or Print) 23

DISPOSITION

BURIAL, CREMATION, REMOVAL (SPECIFY) 24a | CEMETERY OR CREMATORY - NAME 24b | LOCATION (CITY OR TOWN, STATE) 24c

DATE (MONTH, DAY, YEAR) 24d | FUNERAL HOME - NAME AND ADDRESS (STREET OR R.F.D. NO., CITY OR TOWN, STATE, ZIP) 25a

FUNERAL DIRECTOR - SIGNATURE 25b | REGISTRAR - SIGNATURE 26a | DATE RECEIVED BY LOCAL REGISTRAR 26b

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HAS-027E REV. JAN. 1978

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MAIL TO:
Public Health Statistics
State Dept. of Health
Foss Building
Pierre, South Dakota 57501

State of South Dakota
Department of Health

REPORT OF FETAL DEATH

State File Number

HOSPITAL—NAME(If not in hospital, give street and number) 1a.		CITY, TOWN OR LOCATION OF DELIVERY 1b.		COUNTY OF DELIVERY 1c.
DATE OF DELIVERY(Month, Day, Year) 2a.	HOUR OF DELIVERY 2b		SEX OF FETUS 3.	WEIGHT OF FETUS 4.
FAMILY SURNAME 5a.	AGE(At time of this delivery) 5b.	RACE—(e.g., White, Black, American Indian, etc.) (Specify) 5c.	EDUCATION(Specify only highest grade completed) Elementary or Secondary (0-12) 5d.	College (1—4 or 5+)
RESIDENCE—STATE 6a.	COUNTY 6b.	CITY, TOWN, ZIP 6c.	INSIDE CITY LIMITS?(Specify yes or no) 6d.	
AGE (At time of this delivery) 7.	RACE—(e.g., White Black, American Indian, etc. Specify) 8.	EDUCATION (Specify only highest grade completed) (Elementary or Secondary (0—12) 9. / College (1—4 or 5+)	IS MOTHER MARRIED? (Specify yes or no) 10.	PREGNANCY HISTORY (Complete each section) LIVE BIRTHS 11a. NOW LIVING Number ____ None [ ] 11b. NOW DEAD Number ____ None [ ] DATE OF LAST LIVE BIRTH (Month, Year) 11c. / OTHER TERMINATIONS (Spontaneous and Induced) 11d. BEFORE 20 WEEKS Number ____ None [ ] 11e. 20 WEEKS OR MORE Number ____ (Do not include this fetus) None [ ] DATE OF LAST OTHER TERMINATION (as indicated in d or e above) (Month, Year) 11f.
MONTH OF PREGNANCY PRENATAL CARE BEGAN First, Second, etc. (Specify) 12a.	PRENATAL VISITS Total Number (If none, so state) 12b.	THIS BIRTH—Single, twin, triplet, etc.(Specify) 13a.	IF NOT SINGLE BIRTH—Born first, second, third, etc (Specify) 13b.	

PART I

14 Fetal or maternal condition directly causing fetal death:
IMMEDIATE CAUSE (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).) — Specify Fetal or Maternal
(a) _____
DUE TO, OR AS A CONSEQUENCE OF — Specify Fetal or Maternal
(b) _____
DUE TO, OR AS A CONSEQUENCE OF — Specify Fetal or Maternal
(c)

Fetal and/or maternal conditions, if any giving rise to the immediate cause (a), stating the underlying cause last.

PART II

OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER: Conditions contributing to fetal death but not related to cause given in (a)	FETUS DIED BEFORE LABOR DURING LABOR OR DELIVERY UNKNOWN (Specify) 15.	PHYSICIAN'S ESTIMATE OF GESTATION (Weeks) 16.	AUTOPSY (Specify yes or no) 17.
COMPLICATIONS OF PREGNANCY (Describe or write "none") 18.	COMPLICATIONS OF LABOR AND/OR DELIVERY (Describe or write "none") 19.		
CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or write "none") 20.	CONGENITAL MALFORMATIONS OR ANOMALIES OF FETUS (Describe or write "none") 21.		
NAME OF PHYSICIAN, ATTENDANT or CORONER (Type or print) TITLE 22a.	ADDRESS OF PHYSICIAN, ATTENDANT or CORONER 22b.		

SDVS—8 Rev. 7/77

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STATE OF SOUTH DAKOTA
DEPARTMENT OF HEALTH

INDUCED ABORTION REPORT

Do not write in this column

PLACE OF OCCURRENCE

1. NAME OF HOSPITAL, CLINIC OR PHYSICIAN'S OFFICE

2. STATE | 3. COUNTY | 4. CITY

PATIENT INFORMATION

5. STATE OF RESIDENCE | 6. COUNTY OF RESIDENCE

7. AGE

8. RACE OR ETHNIC GROUP

☐ WHITE ☐ INDIAN ☐ NEGRO ☐ OTHER (Specify)

MARITAL STATUS

☐ Never Married ☐ Married ☐ Widowed ☐ Divorced ☐ Unknown

NUMBER OF LIVING CHILDREN

NUMBER OF PREVIOUS INDUCED ABORTIONS

MEDICAL INFORMATION

DATE OF ABORTION (Month, Day, Year)

PHYSICIAN'S ESTIMATE OF LENGTH OF GESTATION _____ WEEKS

WEIGHT OF FETUS _____ LBS. _____ OZ.

Rh FACTOR

☐ Positive ☐ Negative

ANTI-Rh-IMMUNE GLOBULIN GIVEN?

☐ Yes ☐ No

ABORTION PROCEDURE USED

☐ Suction Curettage
☐ Sharp Curettage
☐ Hysterotomy
☐ Hysterectomy
☐ Intra-uterine Saline Instillation
☐ Intra-uterine Prostaglandin Instillation
☐ Other (Specify) _____

FETAL ABNORMALITY

☐ Normal ☐ Abnormal (Specify) _____

REASON FOR ABORTION

☐ Maternal Mental Health
☐ Maternal Physical Health
☐ Probability of Congenital Deformity
☐ Rape or Incest
☐ Economic
☐ Other

MATERNAL COMPLICATIONS (Specify) _____

NAME OF PHYSICIAN

DATE OF REPORT (Month, Day, Year)

HAS 025 Rev. 10/77

SEE INSTRUCTIONS ON REVERSE SIDE

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